THE AMERICAN ARCHITECT AND BUILDING NEWS

VOLUME XVII

JANUARY-JUNE

1885

JAMES R. OSGOOD & CO. PUBLISHERS.
211 TREMONT ST. BOSTON.

HELIOTYPE

L. S. IPSEN - DEL.

January 3, 1885

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

309,300. Sash-Holder. — James F. Hamilton, Connersville, Ind.

309,313. Auger-Handle. — William A. Peck, Roe, Mass.

309,328. Process of Slaking Lime. — William I. Adams, Baltimore, Md.

309,339. Self-closing Hatchway. — Philip V. Ball, Cowden, Ill.

c309,339. Planing and Matching Machine.—Wm. M. Dwight, Detroit, Mich.

309,351. Well for Slop-Buckets.—Frank Menke and Joseph Kroll, St. Louis, Mo.

309,363. Apparatus for Painting Wire-Screens. Chas. J. Shipley, Detroit, Mich.

309,367. Brick-Machine.—Joel Tiffany, Hinsdale, Ill.

309,368. Saw-Handle. — William H. Hankin, Jr., Brooklyn, N. Y.

309,369. Wrench. — William P. Heffron, Chicago, Ill.

309,393. Hinge. — John H. Lawrence, Sterling, Ill.

309,395. Trap. — Ezra S. McClellan, Paterson, N. J.

309,400. Joiner's Plane.—George D. Mosher, Birmingham, Conn.

309,413. Weather-Strip. — Jacob J. Smith and Frank H. Schwartz, Lima, O.

309,435. Ladder-Bracket.— John R. Bodell, New Salem, O.

309,436. Boiler for Heating Purposes.—Henry Burt, Danforth, N. Y.

309,438. Tool-Handle. — Cyrus Carleton, Providence, R. I.

309,449. Elevator. — Walter L. Folstead, Richmond, Va.

309,459. Metallic Roofing. — Millard F. Hamsley, Nashville, Tenn.

309,472. Roofing - Machine. — Henry A. Leher, Cape Girardeau, Mo.

309,490. Fire and Water Proof Roofing-Paint. —Charles H. Phillips and Wallace M. Taylor, Alpena, Mich.

309,495. Hot-Air Furnace.—David McCreary Russell, Washington, D. C.

309,527. Fire-Escape. — G. Van Ness Covert, Farmer Village, N. Y.

309,538. Screw-Elevator. — Lorenzo S. Graves, Rochester, N. Y.

309,545. Fire-Escape. — Otto Hirt, Carlsbad, Austria-Hungary.

309,549. Brick-Machine. — Joseph J. Kulage, St. Louis, Mo.

309,550. Saw.—Joseph Ledward, Westerly, R. I.

309,551. Tin - seaming Machine. — William A. List, Wheeling W. Va.

309,568. Roofing-Tile and Apparatus for the Manufacture thereof. — Carl Schlickeysen, Berlin, Germany.

309,580. Weather-Strip. — George W. Snyder, Western College, Io.

309,586. Artificial Stone or Building-Block and Process of making the same.—Otto J. E. Vogelbach and John Christian Wieland, Philadelphia, Pa.

309,589. Brick-Machine. — Geo. J. Weber, Boonville, Mo.

309,599. Transom-Lifter — Augustus R. Brand, Philadelphia, Pa.

309,601. Combined Door-Knob and Button. — Mary Broughton, Brooklyn, N. Y.

SUMMARY OF THE WEEK.

Baltimore.

Building Permits. — Since our last report but one permit has been granted, which is not of sufficient importance to note.

Brooklyn.

Building Permits. — *Hall St.*, n s, 150′ w Hopkinson Ave., 3 two-st'y frame dwells., tin roofs; cost, each, $2,200; owner and architect, Baldwin Pettit, 289 Chauncey St.; builders, Ernst Sutterline and J. Collins.

Macon St., s s, 60′ w Hopkinson Ave., 3 two-st'y brick dwell., gravel roofs; cost, each, $3,000; owner and builder, James G. Porter, 405 Pearl St., New York; architect, Thomas S. Godwin.

Meserole Ave., n s, 15′ e Lorimer St., one-st'y frame skating-rink, gravel roof; cost, $3,000; owner, Elliott & Co., Flatbush, L. I.; architect and builder, Stephen M. Randall.

Evergreen Ave., e s, 55′ n Bleecker St., two-st'y frame (brick-filled) dwell., tin roof; cost, $3,000; owner and builder, Ernst Loerch, 61 Himrod St.; architect, Th. Engelhardt.

Greene Ave., n s, 400′ e Nostrand Ave., 3 three-st'y brown-stone dwells.; tin roofs; cost, each, abt. $8,000; owner, Lewis B. Reed, Mansion House, Brooklyn; architect and builder, Geo. H. Stone.

Lexington Ave., n s, 100′ e Bedford Ave., 15 two-st'y brick dwells., tin roofs; cost, each, $4,000; owner, T. H. Robbins, Keyport, N. J.; architect, Amzi Hill; builder, E. K. Robbins.

Lee Ave., n w cor. Middleton St., one-st'y frame skating-rink, cement roof; cost, $3,000; owners, Hegnell & Wood, 57 Lynch St.; architect, E. F. Gaylor; builder, not selected.

St. Mark's Pl., late Wyckoff St., n s, 60′ e Fourth Ave., three-st'y brick dwell., tin roof, wooden cornice; cost, $5,000; owner, H. S. Stewart, on premises; architect, R. Dixon; builder, J. H. Woolley.

Locust St., n s, 125′ e Broadway, three-st'y frame tenement, tin roof; cost, $4,500; owner, Henry Hoffman, 135 Leonard St.; architect, F. Holmberg.

De Kalb Ave., *No.* 1356, s s, 250′ w Hamburg Ave., five-st'y frame tenement, tin roof; cost, $4,300; owner and builder, Fred. Stemler, Suydam St., near Myrtle Ave.; architect, F. Holmberg.

North Fourth St., *No.* 81, n s, 175′ w Third St., three-st'y brick tenement, tin roof, iron cornice; cost, $5,500; owner and builder, Wm. S. Collins, 81 North Fourth St.; architect, A. Herbert.

Bremen St., *Nos.* 29 *and* 31, w s, 150′ n Adams St., two-st'y brick ice-house, tin roof; cost, $7,000; owners, Danenberger & Co.; architect, Charles Stoll.

Suydam St., s s, 380′ e Broadway, two-st'y (brick-filled) dwell., tin roof; cost, $4,000; owner and builder, Tereesa Lanzer, 11 Suydam St.; architect, John Herr.

Cedar St., s s, 86′ 4″ n Myrtle Ave., 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $3,500; owner and builder, Fr. Herr, 778 Broadway; architect, John Herr.

Nassau Ave., s s, 30′ e Lorimer St., 5 three-st'y frame (brick-filled) tenements, gravel roofs; cost, each, $2,500; owners, architects and carpenters, Randall & Miller, 68 Nassau Ave.; mason, —— Van Riper.

Van Cott Ave., n w cor. Oakland St., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $5,600; owners, Roeden & Kollmann, n e cor. Van Cott Ave. and Oakland St.; architect, Fred. Weber; builders, Martin Vogel and Thos. Kepple.

Vernon Ave., *Nos.* 285–291, n s, 125′ e Sumner Ave., 2 five and four st'y brick and stone brewery and ice-house, tin roof, brick cornice; cost, $60,000; owner, Ferdinand Munch, 283 Vernon Ave.; architect, Charles Stoll; builders, John Auer and John Rueger.

Harman St., n s, 80′ w Central Ave., 10 two-st'y frame (brick-filled) dwells., tin roofs; cost, each, $2,700; owners, etc., Cozine & Gasecoine, 307 Evergreen Ave.

Alterations. — *Willoughby St.*, n w cor. Bridge St., one-st'y brick extension, gravel roof; cost, $3,000; owner, P. A. Pauier, on premises; architect, C. F. Eisenach; builder, W. Zang.

Pacific St., s w cor. Henry St., add two-st'y, also three-st'y brick extension, tin roof; iron cornice; cost, $13,000; owner, Long Island College Hospital; architect, W. B. Tubby; builders, James Ashfield & Son and Martin & Lee.

Chicago.

Building Permits: —Indiana Club, additional story, 3349 Indiana Ave.; cost, $3,500.

Allen Pinkerton Estate, 3 two-st'y dwells., 533 to 537 West Monroe St.; cost, $15,000; architects, Treat & Foltz; builder, E. Stortevant.

F. Bigdon, two-st'y flats, 97 Laflin St.; cost, $4,000.

Mrs. M. Willeys, two-st'y dwell., 2313 Washington St.; cost, $4,000.

M. Flemming, three-st'y store and flats, 308 Blue Island Ave.; cost, $7,000; architect, F. Keltinech, builder, N. Provost.

C. Watrous, four-st'y flats, 312 and 314 North State St.; cost, $15,000; architects, Frommann & Jebson; builder, A. Carlson.

F. W. Campbell, 3 three-st'y dwells., 487 and 489 Jackson St.; cost, $15,000; architects, Edbrooke & Burnham; builders, Campbell Bros. & Co.

J. W. Brooks, two-st'y dwell., 906 Jackson St.; cost, $5,000; architects, Edbrooke & Burnham; builders, Campbell Bros. & Co.

J. W. Brooks, 2 three-st'y stores and flats, 879 and 881 Polk St.; cost, $16,000; architects, Edbrooke & Burnham.

H. Copeland, 7 two-st'y dwells., Flourney St., cor. Hoyne Ave.; cost, $16,000; architect, H. Copeland; builder, Wilkie.

New York.

Houses. — Mr. Edward Kilpatrick proposes to build 4 four-st'y brown-stone houses, on the n w corner of Madison Ave. and Eightieth St.

Mr. Wm. H. Hays will build a number of houses on Ninety-second and Ninety-third Sts., bet. Ninth and Tenth Aves., all from designs of Messrs. D. & J. Jardine.

Flats. — For Messrs. Wm. and Philip Ebling, 5 five-st'y brown-stone flats and stores, are to be built on the n e cor. of First Ave. and Seventy-second St., at a cost of $70,000; from designs of Mr. Anthony Pfund.

For Mr. Peter Uhlein, 2 five-st'y brick and brown-stone tenements and stores are to be built on the e s of First Ave., bet. Eighty-eighth and Eighty-ninth Sts., at a cost of $28,000; from plans of Mr. John Brandt.

Factory. — On the s s of Thirty-first St., 175′ w of First Ave., a 50′ front piano factory is to be built by Messrs. Stultz & Bauer.

Building Permits.—*Pitt St.*, *No.* 12, five-st'y brown-stone tenement, tin roof; cost, $18,000; owner, Chas. Boswald, 73 Ludlow St.; architect, W. Graul.

Seventy-fifth St., s s, 100′ w Boulevard, 5 three-st'y brick and stone dwells., tin roofs; cost, each, $16,000; owner, Daniel D. Brandt, 38 Bank St.; architect and builder, Wm. J. Merritt,

Third Ave., *No.* 2099, three-st'y brown-stone front store and club-room, tin or gravel roof; cost, $7,000; owner, Henry Budelman, Jr., 117 East One Hundred and Eleventh St.; architect, A. E. Fountain.

East Twenty-fourth St., *Nos.* 337 *and* 339 2 five-st'y brick tenements, tin roofs; cost, each, $18,000; owner and builder, John Fish, 97½ Ninth St.; architect, Richard Berger.

East Eighty-second St., *No.* 310, s s, 150′ e Second Ave., one-st'y brick factory and stable, tin roof; cost, $2,500; owner, Wm. E. Seitz, 431 West Twenty-eighth St.; architect, A. E. Hudson; builder, John J. Kierst.

Willis Ave., n e cor. One Hundred and Forty-eighth St., three-st'y brick refrigerator, office and tenement, tin roof; cost, $12,000; owner, Edwin C. Swift, Lowell, Mass.; architect, F. Miller; builder, B. F. Bailey.

Second Ave., s w cor. One Hundred and Fifteenth St., five-st'y brick store and tenement, tin roof; cost, $20,000; owner and builder, John Walker, 233 East One Hundred and Thirteenth St.; architect, J. H. Valentine.

Second Ave., w s, 22′ s One Hundred and Fifteenth St., 2 five-st'y brick stores and tenements, tin roofs; cost, each, $20,000; owner, architect and builder, same as last.

Pitt St., *No.* 14, five-st'y brown-stone tenement, tin roof; cost, $18,000; owner, Hermann Von Nassauer, 57 East Seventh St.; architect, Wm. Graul.

Southern Boulevard, n e cor. Hull Ave., two-st'y frame dwell., shingle roof; cost, $6,000; owner, D. R. Kendall, President and Treasurer, 111 Broadway; architect, A. Marsh; builders, J. V. Hedden & Son.

One Hundred and Forty-third St., *Nos.* 691–697, n s, 300′ e Willis Ave., 4 two-st'y and basement brick dwells., tin roofs; cost, each, $4,000; owner, Charles Van Riper, 683 East One Hundred and Forty-third St.; architect, H. S. Baker.

Sixty-sixth St., s s, 75′ w Ave. A, 7 five-st'y brick tenements, tin roofs; cost, each, $15,000; owner, Frank R. Crumbie, Nyack, N. Y.; architect, J. H. Valentine.

One Hundred and Seventy-fifth St., s s, 100′ e Washington Ave., 3 two-st'y frame dwells., tin roofs; cost, each, $2,750; owner, Angus MacIntosh, High Bridge; architect, Joseph Kirby;

South St., part of piers 32 and 33, East River, and the bulkhead bet. said piers, one-st'y and part two-st'y frame (covered with iron) freight-shed, gravel roof; cost, $22,000; lessee, The Long Island R. R. Co., J. R. Maxwell, vice president, 115 Broadway, architect, Anthony Jones.

One Hundred and Twenty-second St., n s, 250′ w Seventh Ave., 2 three-st'y brick and stone dwells., tin roofs; cost, each, $8,000; owner, Phebe Smith, 1475 Broadway; architect, Geo. B. Pelham.

Elm St., *No.* 55, five-st'y brick factory, tin roof; cost, $14,000; owners, Radway & Co., 32 Warren St.; architect, Wm. Pistor.

Philadelphia.

Building Permits. — *Columbus Ave.*, n s, bet. Fifth and Sixth Sts., one-st'y store, 12′ x 44′; H. M. Martin, owner.

Wallace St., *No.* 1811, five-st'y building, 17′ x 78′; Jas. P. Doyle, contractor.

Pechin St., above Shurs Lane, 2 two-st'y dwells., 16′ x 42′; Wm. Raynor, owner.

Frankford Ave., *No.* 2221, two-st'y store, 18′ x 30′; George Kessler, contractor.

Queen St., e of Laurence St., three-st'y dwell., 20′ x 45′; Jno. Durkin, owner.

Brown St., bet. Delaware Ave. and Front St., two-st'y stable, 27′ x 64′; R. C. Ballinger, owner.

School St., e of Ridge Ave., 2 stables, 32′ x 58′; Geo. Wood, contractor.

Ludwig St., bet. Haverford and Lancaster Aves., two-st'y dwell., 14′ x 28′; J. Hayes, owner.

Ridge Ave., bet. Twenty-seventh St. and Berks Hall, triangular shape, 40′ x 57′ x 64′; Jno. F. Betz, owner; Wm. Gelte, architect.

Fourth St., between Brown and Poplar Sts., ice-house, 20′ x 84′; Jas. P. Doyle, contractor.

Columbia Ave., between Carlisle and Fifteenth Sts., one-st'y marble-shop, 24′ x 25′; Chas. Dading, owner.

Nice St., below Baker St., two-st'y dwell., 16′ x 30′; McLaughlin & McNamara, contractors.

No change in the quotations this week.

St. Louis.

Building Permits. — Fifty-two permits have been issued since our last report, nineteen of which are for unimportant frame houses. Of the rest, those worth $2,500 and over are as follows: —

John Schumacher, two-st'y brick dwell.; cost, $3,000; J. Schumacher, contractor.

C. B. Clark, three-st'y warehouse; cost, $9,000; sub-let.

C. G. Stifel Brewing Co., three-st'y machine-house; cost, $20,000; E. Jungenfeld (dead), architect; sub-let.

Frank Raffle; two-st'y brick store and tenement; cost, $5,000; sub-let.

D. M. Osborne & Co., four-st'y brick warehouse; cost, $25,000; sub-let.

F. W. Wesseler, two-st'y dwell.; cost, $5,000; A. Whri, contractor.

Henry Wanschaffe, two-st'y dwell.; cost, $3,000; Hy. Wanschaffe, contractor.

J. Billmeyer, two-st'y stores and dwells.; cost, $4,000; Henry Hagen, contractor.

Hugh Brennar & Son, two-st'y dwell.; cost, $4,000; D. J. Dempsey, contractor.

COMPETITION.

Chamber of Commerce Building.

[At Cincinnati, O.

The Cincinnati Chamber of Commerce contemplates the erection of a new building, and invites designs from architects.

Circulars can be obtained on application to the Clerk of the Board.

471 GEORGE S. BRADBURY, Clerk.

Court-House.

[At Toronto, Can.

Toronto, December 23, 1884.

Designs, in competition for a court-house, to be erected on Queen St., at the head of Bay St., in the City of Toronto, will be received by the Court-House Committee of the City Council **up to noon of Wednesday, the 23d day of March, 1885.**

Premiums will be awarded as follows: "First prize, the carrying out of the works as set forth in the instructions; second, $500; third, $400; fourth, $200."

All further information can be had on application at the City Clerk's Office, City-Hall Buildings, Toronto.

DAVID WALKER,
Chairman Court-House Committee.

century." This latter proposition is after the dogmatic
evalent in modern English criticism. It is equivalent to
at the personal equation in modern architecture, rendered
by the adoption of a formula as the basis of design, has
the art from exercising its natural function as an evidence
porary history, as it did when design was confined to the
ent of a theory of construction, in the series of Greek
and mediæval cathedrals. The fact is that architecture,
personal or impersonal, cannot be forced away from this
even by the most determined exercise of the modern privi-
asquerading in the trappings of old forms of art. Indeed it
ntly evident that this very personal character imposed upon
ure by the conditions of the Renaissance, in rendering it
sive to exoteric impressions, has made it a more accurate
of the quality of the civilization which produced it than has
ase with any form of impersonal art, the characteristics of
t be largely due to internal forces. It is not so much its
as its decorative character which makes the metropolitan
a reflection of the life which swarmed about the market-
er its shadows, or entered its porches with banners. But if
y the progress of mediæval French architecture from the
Philip Augustus, in 1180, to that of Charles VII, in 1422—
Bernard of Clairvaux to Joan of Arc; though in this era
n sixty cathedrals of the first class were built, involving an
ure of more than $500,000,000 in our money (an activity
g operations unsurpassed in history), we shall find that no
and no court was able to impress upon it any characteristic
ould enable us to distinguish any one phase of its progress
yle of Louis VIII, the Lion; or Louis IX, the Saint; of
II, the Hardy; or Philip IV, the Fair; of Charles V, VI,
There are no such styles; the art of these reigns was an
of forces, and, as such, it was an impersonal art. If any
this evolution is identified by the name of a sovereign, this
a matter of convenience in nomenclature; it is not signifi-
cause and effect, for the art refused to submit to the caprices
court.

e other hand, when architecture had ceased to be a structural
, and was based upon a formula of pilasters and entabla-
closing imposts and arches, decoration, ornament assumed a
until then unknown, and there was a distinctive style corre-
to the character of each reign, often contrasting with
abruptness. Thus we recognize a style of Francis I, free,
mantic; of Henry IV, bold, coarse, grotesque, of
IV. grandeur without, of pomp and splendor within
le-Duc has called it "the new Renaissance"); of Louis XV,
, licentious, ostentatious, Rococo; of Louis XVI, decent,
pure to prudishness; of the first empire, a theatrical display
erial Roman properties, meagre and tarnished; of the second
elegant, but profuse and luxurious, drawing its *motifs* from
istorical source, but harmonizing them with a fastidious aca-
spirit; a style of to-day, too near to us to be recognized now
perspective, but for which we will be held responsible in the
ntury. So there is a style of Elizabeth, of the Stuarts and
of bloody Mary, of Queen Anne, and of Victoria. So also
, as Fergusson says, the enthusiasm and exultation and pride
inand and Isabella, and of Charles I are well expressed in the
ture of their times, until Philip II substituted, for the joyous
ny exuberance of his predecessors, a cold, academical formal-
full sympathy with his iron rule.

scenic display is rendered possible by the fact, that the archi-
of these eras must necessarily be saturated with the sub-
personality of the architects, in order to its proper adjustment
spirit of the times. In fact, the composition of ornament is like
mposition of poetry; neither can be evolved from theory alone;
r can exist in definite shape save by virtue of the individual
ter, attributes and mental equipment of the author. It is his
which confers upon it all its specific quality. It is his knowledge,
ning, his convictions, his taste, which so adjust ornament to a
of proportion as to confer upon it especial character and in-

It is true that a large part of Renaissance ornament, as of all
ctural ornament is conventional. The enrichment of the order
ained not only by the imaginative arts of sculpture and paint-
which must necessarily be infused with personal genius like a
, but by ornament of convention, which is common property,
certain types of ornament applied by general acceptance to the
ation of the mouldings, and other details of the order; but it is
btained by a certain hardihood in varying its proportions. But
se of conventional ornament implies choice, discretion on the
of the architect, and these are surely personal qualities, and the
tion of the proportions is an appeal to his academical training,
knowledge of precedent, to his artistic feeling. If an ignorant
plays with proportions, the result is inevitably disgrace and vul-
y. He can produce successful results, only by an abnegation of
elf, and is only acceptable when he follows the Classic formula
unimaginative fidelity. It is only the scholar who can handle
rders with freedom. The advancement of archæological learning,
accumulation and accessibility of architectural precedent, in mak-
t impracticable to the modern architect to build better than he
, have inevitably forced him into an increasing degree of self-
ciousness in his work, and in depriving his work of the grace of
cence and naiveté, have made it a more sensitive index of his in-
luali the picturesque and romantic days of an impersonal
itect d return no more.

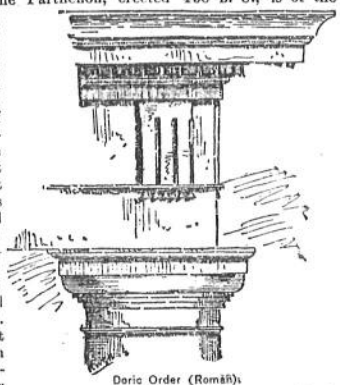
A SKETCH OF THE HISTORY OF ARCHITECTURE.[1]

It is not possible to determine the exact date when the Hellenic nation, no longer connected with the Pelasgic tribes of Asia, began upon the outlines and ideas collected by their forefathers, to perfect a style of architecture for themselves, suited to their character, religion and climate; to complete that great work, the foundation of the art to which nation after nation had been adding its portion for a period of no less than three thousand years. The very earliest structures that have any claim to the term "art" are discovered in Egypt, and date as far back as 3900 years B. C. It was then the inhabitants first conceived the idea of erecting for their chiefs and rulers indestructible edifices, wherein the embalmed bodies might repose, undecaying, in security and peace, until they should again be called into life, as their traditions led them to believe would ultimately be the case. It is interesting to trace the advancing steps through the centuries that intervened between this early date and the time of which we write. The research carries us up and down that mysterious country, Egypt, about whose early history so little is definitely known, and of which so much is conjectured, and we contemplate with awe and amazement the great monumental excavations, elaborately decorated with hieroglyphics, by which each chief sought to hand down to eternity a record of his good deeds. As time proceeds, we find in place of rock-cut tombs enormous temples, gigantic pyramids, and lofty obelisks, and in each is seen an ever-increasing development of what may truly be called the germ of art. The authors are taking Nature as a copy, using pillars and columns roughly cut to represent bundles of reeds, and the tops of these are gradually formed to represent the well-known lotus-flower and other leaf forms common to the country. But as the glory of the monarchs of Egypt began to decline, the art was taken up by the Assyrians and Chaldeans, nations whose countries were at no very great distance from Egypt, and whose principal commercial enterprises were carried on with that country. Here have been found temples of a character very different from any previously erected: buildings carried to a great height, instead of being all of one story. The decoration, too, is of a type that we have not met with before. The Chaldeans were a people devoted to the worship of the heavenly bodies, and they decorated their temples with the colors assigned to each of the seven planets to which they were dedicated. Their sacred enclosures were not surrounded with solid walls, but with simple, lofty columns, standing singly at a distance of many feet apart. But the Chaldeans, also, wise in all the mysteries of the unseen future, were destined to perish utterly from the face of the earth. From Chaldea we are led northward and westward, and through the entire length of Asia Minor, and in the examples now at our feet we find the immediate forerunners of the Grecian art.

The Pelasgic races of Asia Minor and of Greece were intimately connected in friendly relationships for many centuries, until the Phrygian Prince carried away the beautiful Helen from Sparta to Troy, which outrage brought about a deadly animosity between the two countries, that took many years to die out. From this date, nearly five centuries, occupied with civil war, elapsed before any farther advance in the progress of the art can be noticed. Greece had been inhabited by numerous tribes, and the Hellenes proper had originally been but one among the many. Gradually they gained a reputation above that of any other tribe, and finally acquired an influence over the whole country to such an extent that all the other tribes became assimilated to them.

By the middle of the seventh century B. C., mere utilitarian architecture was giving way to more ornate erections, and when the country was at peace, and the Greeks were able to turn their attention to the arts of peace, many forms of great beauty were already discovered, and there were many examples of construction for them to improve upon.

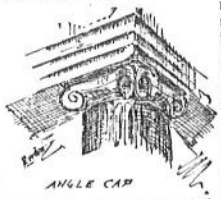
Even so far back as 2000 B. C., at Beni Hassan, in Egypt, pillars had been constructed of a decidedly "Classic" form, and the Beni Hassan type was greatly improved upon by the architects of the great temple of Karnac, and it is difficult to refuse the evidence these examples give of the origin of the forms adopted by the Greeks. The earliest example of Grecian architecture of this kind appears to be of the date 650 B. C., and is the temple of Corinth. Very little of this now remains, but there is sufficient to show how extremely massive and ponderous it was. Next in time comes the temple of Ægina, probably a century later. But the temple of Theseus, at Athens, constitutes a link between the Archaic and the perfect age of Grecian art, more perfect than the temple of Ægina, but not so perfect as the Parthenon, its near neighbor in locality and date. The Parthenon, erected 438 B. C., is of the Doric order, and is an excellent example of true proportion in every particular. The height of the column is 6.025 diameters, which is an increase of one and one-half diameters upon the height of the earliest example, the temple at Corinth. With this order, sculpture and painting are essentially connected. The metopes, the face of the pediments, and other features were all carved and colored. This was the height of perfection to which the Doric order attained, and from this date its decline began. The attenuation of its columns and the diminished height of the entablature are among the principal features of its decay.



Doric Order (Romàn).

The Ionic Order, growing out of the declining Doric, takes up the lofty, slender columns, and gives them a proportion and perfects a style to suit them. This new order is much more complete in itself than was its forerunner, and depends less upon the assistance of color to relieve the dead stone. Those ornaments which in the former were merely painted, were in this cut and carved. The scrolls which had so long been in use as a decoration, both in paint and cut in wood or cast in bronze, were in this style brought forward and placed in a most conspicuous position, and were made to form the principal feature of the capital. A base was also given to the columns, but like all other details, of which the Greeks strove so earnestly to make us believe they were the originators, these bases have their antetypes in Egyptian temples erected fourteen hundred years before. The best example of this second order is the Erectheum at Athens, built 409 B. C. The original Ionic capital was never made to suit pillars in every position; it answered admirably so long as only a front view was obtained, but when placed at the angles of buildings, and two sides were seen, the architects had a difficulty before them which required an immense amount of study to overcome. The capital was originally square on plan, with the volutes at the front and back and abutting on the sides, so that at the side of a temple there would be some score of columns with their voluted capitals facing the spectator, but the capitals at each end, having their voluted faces parallel with the front and back walls, presented their sides to the side of the temple, and created a discrepancy and formed an eye-sore most distressing to the painfully symmetrical Greeks. The first attempt to improve this was to make a capital for the angle of the building, with two faces, and where the volutes met they butted at each other until each was forced beyond the base line at an angle of 45°. This was so obviously a makeshift, that although an ingenious way of overcoming the difficulty, it did not satisfy its authors, and after many attempts, which still exist, their efforts were finally rewarded, for they produced a capital very beautiful in its form and thoroughly adapted to its work in all positions. The arrangement was a square, having its sides all curved alike.

BASE. B.C. 500. PERSIA



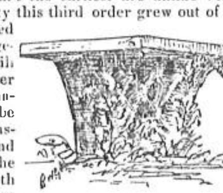
ANGLE CAP

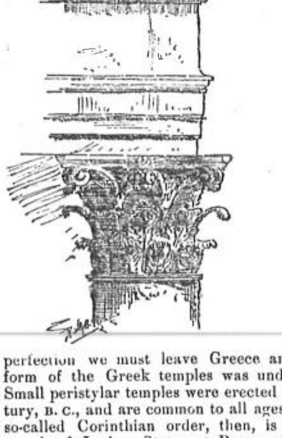
The suggestions as to the origins of these two orders, given by Vitruvius, are as ingenious as they are innocent. He writes, "Ion,

[1] A Sketch of the History of Architecture from the commencement of the Grecian Art to the Reformation in England, by R. W. Gambier-Bousfield, A. R. I. B. A.

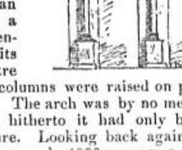
the son of Xuthus, building a temple to Diana, and seeking some new manner to render it more elegant had recourse, as before in the Doric, to the human figure, and gave to this new order a feminine delicacy." "That its appearance might be more lofty, he added a base in imitation of a shoe. The volutes, like the plaits of the hair hanging on each side, he gave to the capital, ornamented with fruits, or festooned in flowers; and furrows or flutings were wrought down the columns, resembling the folds or plaits of a matron's garments. Thus he invented two kinds of columns, in the Doric imitating the manly, robust appearance without ornament, in the Ionic regarding a female delicacy, accompanied with ornaments pleasing and elegant."

Vitruvius also gives a romantic origin for the Corinthian capital, and this is still held by many to be the correct story, but if we examine the existing examples we shall find that the earliest are unlike Vitruvius's prototype, and that in reality this third order grew out of the preceding one, and was perfected through many years. "A marriageable young lady of Corinth fell ill and died. After the interment, her nurse collected together sundry ornaments with which she used to be pleased, and putting them in a basket placed it near her tomb, and lest they should be injured by the weather, she covered the basket with a tile. It happened the basket was placed upon a root of acanthus, which in spring shot forth its leaves. These running up the side of the basket, naturally formed a kind of volute in the turn given by the tile to the leaf." "Happy Callimachus, a most ingenious sculptor, passing that way was struck with the beauty, elegance, and novelty of the basket surrounded with the acanthus leaves, and according to this idea or example, he afterwards made columns for the Corinthians, ordaining the proportions such as constitute the Corinthian Order."

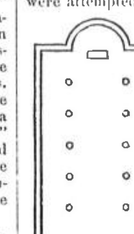




The Corinthian order was only introduced into Greece on the decline of the art, and it was left for the Romans to perfect an order, which in Greece never rose to the dignity of a temple order. For the capital the curved abacus of the late Ionic was used, and the bell-shape discovered to have been in use by the Egyptians was here introduced. To this they applied the acanthus, in conjunction with the Assyrian honeysuckle, the latter supporting the scrolls at the angles. But to see this style in its perfection we must leave Greece and cross over to Rome. The form of the Greek temples was undoubtedly of Egyptian origin. Small peristylar temples were erected as early as the eighteenth century, B. C., and are common to all ages. The finest example of the so-called Corinthian order, then, is the temple of Jupiter Stator at Rome, which in richness and proportion, surpasses anything hitherto designed. But in the architecture of the Romans we have a great change. The true Roman order was an arrangement of two pillars placed at a distance apart, bearing a very heavy entablature, which in consequence of its length had to be supported in the centre by an arch springing from piers; the columns were raised on pedestals and placed in front of the piers. The arch was by no means a new method of construction, though hitherto it had only been used as a necessity, and not as a feature. Looking back again to the Pyramids of Egypt, which date from nearly 4000 years B. C., we find arch forms of the rudest construction, but perfectly adapted to their uses. Here is to be seen the pointed arch and the semicircular, as well as the simplest constructive arrangement — two large straight stones, raised one against the other over a space. It is true that the arches were all built with horizontal beds, and that the radiating bed was not known for centuries after, but the pointed arch to a drain or aqueduct at the Great Pyramid, and to the tombs in Asia Minor, are as true in outline as those of Christian churches. But to return; in a few years time the piers supporting the arches were done away with, the pillars taken down from their pedestals, and substituted for the piers, the arch sprang from the top of the columns, and the entablature was placed at a greater height above the crown of the arch. The characteristic of Roman architecture is the exaltation to importance of plain surfaces, and the subjugation of the order to them. The rectilinear form of plan was preserved



for a time, but where the architects were not confined in space, their plans exhibit a great amount of irregularity, and even circular temples were attempted, and successfully carried out. Roman temples were extremely insignificant as compared with other buildings in their cities, and our attention is turned to the Government Halls — the Basilicas — which were considered of far greater importance. These were long, lofty buildings, principally rectilinear, but generally finished with a semicircular apse constructed in the centre of one end, in which were arranged the seats for the judges. An altar stood at the junction of the apse, and the main building at which those religious ceremonies were performed, which opened and concluded all public business. The main building was divided in most Basilicas into aisles by pillars and arches, but in some cases it was left clear, and the entire space covered by a roof of one span. These roofs were generally of wood, and of simple, utilitarian design. But what is this form of plan that we are describing, other than the origin of all Christian churches?



THE ILLUSTRATIONS.

PAXON & COMFORT'S BUILDING, PHILADELPHIA, PA. MESSRS. W. EYRE, JR., & W. E. JACKSON, ARCHITECTS, PHILADELPHIA, PA.

SKETCHES AT MANCHESTER-BY-THE-SEA.

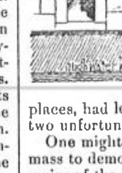
PROPOSED CHURCH, PATERSON, N. J. MR. CHARLES EDWARDS, ARCHITECT, PATERSON, N. J.

HOUSE FOR A. R. SMITH, ESQ., BIRMINGHAM, CONN. MR. C. H. STETSON, ARCHITECT, NEW HAVEN, CONN.

POZZI E PIOMBI: THE PRISONS OF THE VENETIAN REPUBLIC.

. . . . Livida l'onda,
Che tra l'infausta reggia e le prigioni
Languidamente sta, geme sospesa
Sulle misere teste, e chiude l'eco
Che sol ripete del dolor le voci.

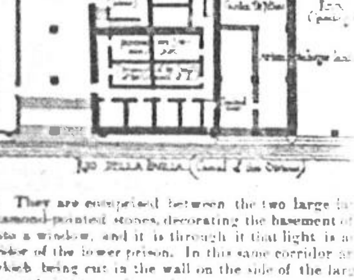
(Antonio Foscarini, a tragedy by G. B. Niccolini, Act I, Scene IV).



THE Republic of St. Mark having fallen in the fervor of the Democracy, the citizen Melancin proposed that the total destruction of the dreadful prisons, the Pozzi and Piombi, and also of the boxes for secret denunciations, should be decreed, and that the lions should be knocked to pieces, that the sight of them as emblems of a blood-thirsty régime, might not give uneasiness to the people in this new and joyful era. The citizen Widman applauding the proposition, added that he, having gone, together with other citizens to inspect those infernal places, had learned from the old custodians that by the ex-inquisitors two unfortunates had there been walled-in alive, some time before.

One might expect that the horrified assemblage would have run in mass to demolish the wall which closed the door, and gathered the remains of the supposed victims, but it is not believed that such a thing took place, because until now the above-mentioned door, or more precisely two of the doors in the prison are still sealed by single slabs of stone, forced against the lintels by iron wedges, and have the appearance of having been so closed for some hundreds of years.

He who visits the prisons of the Ducal Palace, which belonged to the Council of Ten, and are now called the Pozzi, mounts the loggia on the first floor inside the court, and trusts himself to the care of a guide, who, taking an oil lamp, precedes him into a dark room, and down a small staircase, leading to the first tier of cells. In order to enter these, one must stoop, the doors being rather low; over every one of them there is a hole, through which the food was handed to the prisoners; one of the cells still shows the wooden sheathing of the walls, with a small shelf and the plank which served as a bed. Having turned the corridor, the guide reaches the staircase leading to the lower cells, and if he fulfils his mission conscientiously, he numbers with measured cadence the thirteen steps, so as to create the impression of sinking under ground, and reaching the prisons which are supposed to be below the level of the canal. We enter one of the cells, then another; we read some of the inscriptions that the prisoners have scratched upon the walls; our attention is called to the fact that every door was closed by double iron shutters; we are told we enter the prison of Carmagnola, and that one in which the Doge Faliero was imprisoned. At the end of a corridor, feebly lighted by a small aperture, something resembling a step is pointed out to us; and we are told it is the place where the strangling and beheading was performed, by means of a machine, of which some traces remain upon the walls. Into a niche, a crucifix was placed, to which the condemned prisoner could cast his last look; the inclined pavement ends with a slab of stone which has several perforations through which, when the



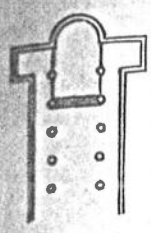
ing the dreadful weariness of the journey among
ant Park buildings, it seems extremely important to
oup of exhibition halls as compactly as possible,
uding the conveniences of electric railways and other
ansportation, one has in hot weather a certain re-
crowded cars, even for a brief journey, and we
it might be quite possible to plan buildings in di-
nication with each other, where every kind of nat-
ificial product could be shown in perfection. We
or our part, dispense with the houses and side-shows
up so much room at Philadelphia and Paris. There
no necessity for lodging the foreign commissioners
eds, and national taste in architecture could just as
ell in the decoration of rooms in the main buildings,
serve as restaurants or exhibition rooms, as in
ectures. In fact, there is nothing which we should
see than a series of rooms, not built for the pur-
ertising somebody's concrete blocks, but decorated
artists and architects in each country in emulation
r. We have a fancy that our own country would
such a struggle with no small credit, and the idea
en carried out on a large scale in any exhibition.

---

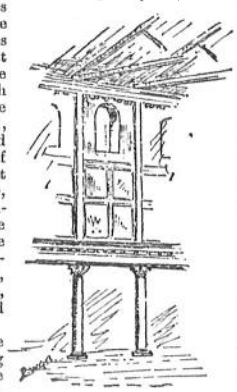
ant scheme is said to have been entered into by
the railway companies in New York, for cutting
under the East River, from Ravenswood, on Long
lackwell's Island, and thence to the New York
tunnel is to be built for the benefit of the Long
sd, which will by means of it gain an entrance in-
nd an agreement has been made with the owners
Central Station for admitting the Long Island
he use of that station as soon as the tunnel is com-
bed of the East River is of hard rock, and the
gh not a long one, will be very costly, so that if
seriously entertained it is perhaps only a part of
r raising the Long Island Railroad from a local
imit fic to the position of a link in a chain of
n t n New York and Europe. It is quite
e next ten years may see some improvement made
circuitous route from New York to Liverpool by
Hook, and whether the future steamship route
Long Island Sound to Harlem, or ends at Mon-
passengers, at least, are likely to choose railway
from the eastern end of Long Island to New

OR BELL is said, in a paragraph which is going
of the newspapers, to have recently expressed
on that the telephone has not reached the utmost
oment, and to have suggested the possibility that
ment might yet be made in the service afforded
it. We are sorry to say that the history of the
siness does not give very flattering hopes of the
ency, but that the telephone is capable of devel-
ne will doubt. To mention one point only, the
ed by the telephone receiver is estimated to be of
ive-hundredth of the force of that communicated
itter; and as it is our fortune to speak through
to a good many persons whose natural voice has a
ng to not much more than twelve hundred times a
we should hail with joy the adoption by the tele-
nies of any device for magnifying the sounds
through their instruments. Together with this
facilities for communication through long dis-
rly four years ago we were told by officers of the
npany that they "talked between Boston and New
ight;" and that the opening of public communi-
n those two cities was a question of a few weeks
hough the same hopeful spirit pervades the an-
of the company, the advancing years do not seem
distance talking within the reach of its subscri-
other quarters we hear reports of communication
other telephones, which is wonderful as compared
ration of the instruments with which we are fa-
one, for instance, conversation has, it is said,
rried on between New York and Chicago, a dis-
hundred miles, and, more recently, communica-
have been held between Boulogne, in France,
sburg, a distance of more than sixteen hundred

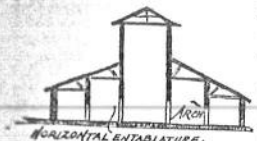
A SKETCH OF THE HISTORY OF ARCHITECTURE.[1] — II.



IN point of time we have now reached the middle of the fourth century, A. D. During these 350 years, the Christian religion was slowly and surely gaining ground, and the old worship of imaginary deities dying out. When, in the time of Constantine, the persecuted and scattered church, finding favor with the Emperor, emerged from the catacombs, no buildings were so suited for their services of worship as the basilicas, and no others were large enough to hold the masses of people, who, attracted by the bold preaching and curious rites of the new religion and its followers, thronged together to see and hear for themselves. The bishops and priests naturally took the seats provided for the magistrates, and the altar, still in its original place, served for the performance of Christian rites as it had done for heathen. At the end of the fourth century changes were introduced. The apse was first ruled in, and then the altar, and the dais on which it stood, and which projected beyond the precincts of the apse. Finally the choir was formed, extending into the nave, and raised two or three feet above the floor of the rest of the building. The first Church of St. Peter, at Rome, erected at this time was a good example of the peculiarities of these reformed basilican buildings. The plan of the church proper is rectangular, having at one end a sanctuary, corresponding to the Gothic chancel, extending beyond the north and south walls of the nave.

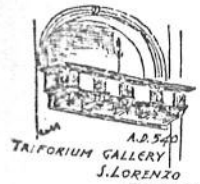


The nave was divided into five aisles, by rows of pillars supporting a horizontal entablature, above which rose a double range of panels, each containing a picture, and corresponding with the triforium of later date. Above these again was a clerestory, and then an ornamental belt or cornice, and above that the wooden roof left open to the ridge. The columns in the *side* aisles were joined by arches.



HORIZONTAL ENTABLATURE. SECTION.

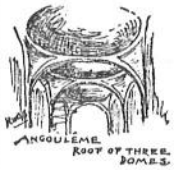
Externally the basilicas were very simple in design. The walls were of plain, unplastered bricks, and the windows had plain, arched heads, without any attempt at decoration. The front façade was slightly ornamented with two rows of windows, three in each tier, and between and above these were painted in fresco on stucco, various emblematic figures. The whole was surmounted by a coved cornice, which appears to have been almost universally applied. In the Church of San Lorenzo, erected about 540, a triforium gallery was constructed, but this did not find favor with the architects generally, as it never was used in other churches. The church of Ravenna, San Apollinare in classe, shows a great advance in the style, although it is still easy to trace the derivation of every detail from the Classic model. Another specimen of the transition is at Parenzo, in Istria; it possesses all the usual arrangements of a church of this date; but some of its pillars are of the Corinthian order, while others are of pure Byzantine type. The Romanesque architects never attempted to vault their rectangular buildings, but frequently constructed domes over their circular ones. But here again the Italians differed from their forefathers of Constantine's day, for the interior of their domes was not the outline of their buildings. The dome was by them simply used as a ceiling, and was covered with an external wooden roof. True Romanesque had nearly come to an end with the sixth century, from which period to the commencement of the ninth century, a time of continual wars, there was little opportunity to cultivate the arts of peace. The next two centuries, from the ninth to the eleventh, saw but tentative efforts in the advance of art, but in the eleventh century we find that Gothic art has freed itself from the early traditions, cast-off Classic details, and is going steadily forward with a well-defined object in view.



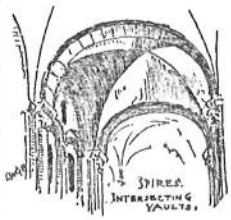
TRIFORIUM GALLERY S. LORENZO FLORENCE.

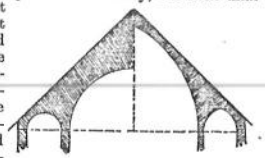
GAP FROM S. FRANCESCO ASSISI. EXHIBITING CLASSIC DETAILS

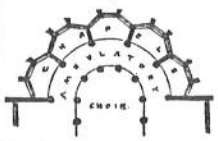
We must take up our study in the south of France, and commencing with the Province of Provence at the early part of the ninth century, the first new feature that attracts our attention is the stone vaulting of the churches. The plan is still the same, though slightly elongated, and not so wide as the basilicas of Rome. All the churches of this province from the date of Charlemagne can boast of vaulted naves, and this, too, on the principle of the pointed arch. The architects had great difficulties to contend with, and to follow and trace the various steps, in their progress towards the attainment of their ideas of correct stone roofing, forms one of the most interesting studies in the education of an architect. The introduction of the pointed arch at this date (820), is, as we have said, the principal feature of the architecture of the south of France. And the reason for its use is easily seen. The cathedral at Angoulême has three domes along its nave supported by the side walls, and by semicircular arches dividing the whole length of the nave into three squares. This arrangement answered very well as a roof, but was not pleasing either internally or externally in general effect. And with these domes it was impossible to use the one covering to the nave for ceiling and roof. The domes made in proper proportion with the interiors appeared stunted and sunken on the exterior. Shams are never permitted in true art, and so long as there was felt to be a want of truth, so long did the architects struggle until their aim and object was attained. It took years to accomplish, and the lifetimes of generations were spent in the study, but each man added some little step in the right direction, and the end was at last reached. Oh, happy he, who had the satisfaction of completing the discovery! The object to be attained here was one covering — not a ceiling and a roof, but the two combined. The annexed diagram will show the difficulty, and the result attained by the introduction of the pointed arch. If a semicircular ceiling be used, in order that a sufficient water-shed may be obtained, an immense weight must be applied to the crown of the arch, but in the use of the pointed arch all this is done away with. With regard to the plans, a passage round the choir was considered an essential, and this is the commencement of that exquisite arrangement known as the *chevet* of Gothic cathedrals. In order to have this passage within the walls of the church, a screen was erected round the choir, wholly independent of the construction of the church. Later on, chapels were erected, opening into the passage thus provided, and the most perfect and beautiful effect ever produced by Gothic architects, and which perfected the plans of the cathedrals was now wrought out. Most of the churches being collegiate, cloisters are of frequent occurrence, but the outer wall of these is never in the form of unglazed windows as in English cloisters, but a range of small and elegant pillars supporting light and delicate arches is the universal treatment. Spires were occasionally erected, but to the western walls was given the principal decoration. In the Province of Auvergne we find a large number of square towers, many standing quite separate from the churches, but each church has its central tower, while in Anjou, spires are in common use. As a general rule, the churches have only a simple tunnel-vaulted roof over the central aisle or nave; but the semi-vaults of the side aisles are constructed to form a solid abutment against the thrust of the main roof. The side aisles were formed in two stories, the upper of which was an approach to the triforium of later years, and admits light through large windows in the outer walls, but as yet the clerestory had not been developed.



ANGOULEME ROOF OF THREE DOMES.







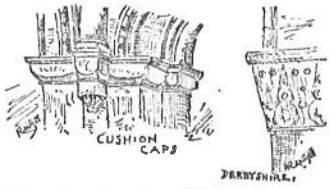
CH. AT SISIORE.

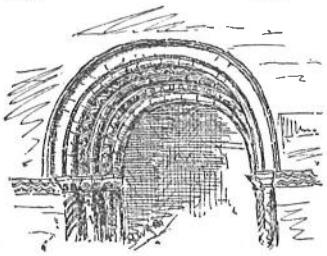
In Burgundy, we find another step has been taken in the progress

[1] A Sketch of the History of Architecture from the commencement of the Greco-Roman Art to the Reformation in England, by R. W. Gambier-Bousfield, A.R.I.B.A. Continued from page 18, No. 472.

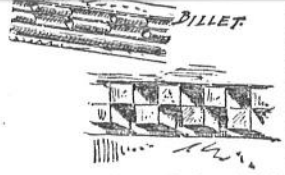
of vaulting; bold transverse ribs and plain intersecting vaults are added to the common tunnel-vault, but the semi-vaults, as in the South, are still used as abutments. But the same difficulty presented itself in roofing the intersecting vaults, and the architects were forced to use again the external wooden roof, but this was no longer a sham, one dome over another, which might be thought to be simply the exterior and interior of the same dome, but the roof was made of an entirely different form, and carried up at an angle from the wall-plates until the two sides met in a ridge, and thus the vaulting became again a ceiling, as in the early Romanesque.

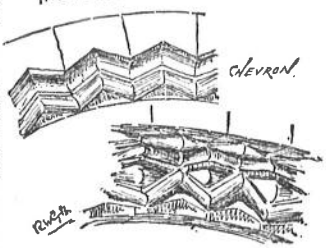
In the north of France we find that a very great stride has been taken towards perfection in the architecture of the cathedral, and other monastic churches. That which is commonly known as the "Latin style," has very many departures from the old lines, and taking, as an example, the Church of Moutiérender, near Vassy, to the east of Paris, we see that the characteristics are the subordination of the side aisles to the central one, and a perfectly-defined clerestory. The nave, or body of this church dates from the eleventh century, and is perfectly plain and devoid of all ornament, either painted or carved; but the chancel, rebuilt in the thirteenth century, is an almost perfect example of true Gothic. In this church almost every step can be traced from the Romanesque, and one sees at a glance what rapid progress has been made in the art in the three hundred years. Every part of the later choir is fitly ornamented, and though in many of its details there was great room for improvement, the style as here represented is complete.

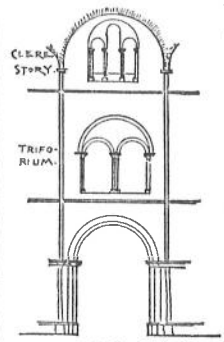


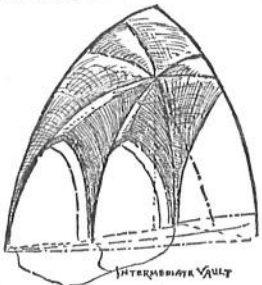


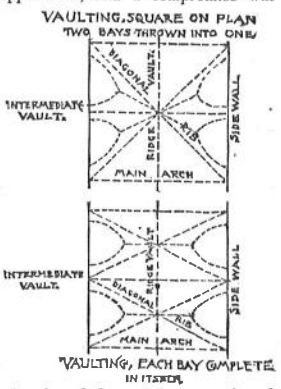
The history of the round-arched, or Norman Gothic architecture, may, with only a few exceptions, be comprehended within the space of one hundred years. No building in this style is known to have been commenced before the year 1050, and before the year 1150, the pointed Gothic had been thoroughly elucidated in the Norman Province. The Norman style embraces the very plainest, as well as the very richest work, from that characterized by the low square pillars and circular piers, to the florid decoration of which so many examples are to be found in England. The former of these exhibit but massive and clumsy remains of Classical principles, but they display a grandeur and solemnity of appearance, consequent upon the solidity of the masonry, and the smallness of the openings. The piers of the earlier buildings were either entirely square, or else a succession of receding faces, capped by a plain, square abaci, the lower edge of which was chamfered. Isolated circular columns were also used, but at later periods portions of columns were attached to the square piers, and those facing the nave were carried up to the clerestory windows, and from their capitals sprang the ribs of the roof-groining. The arrangement of the bays in Norman cathedrals usually consisted of three tiers. The lowest opening was spanned by one semicircular arch. In the second tier or triforium were two smaller arches supported in the centre by a slender column, and these were enclosed by a larger arch, the span of which was rather less than that below it. In the third, or clerestory, there were generally three arched openings divided by small shafts, and forming either a window or an opening before a window in the thickness of the wall. These three arches occupied a space equal to the arch below them, and were enclosed in an arch, springing from a shaft which was attached partly to the wall, and partly to the shaft that supported the springing of the groining. The western and southern doorways appear to have been parts upon which the greatest amount of enrichment was bestowed. The arches were composed of a succession of receding arches enriched with bold mouldings resting on caps, under which were ornamented shafts and bases. The finest example of Norman Gothic as it was perfected in France is at the great Church of St. Etienne, Caen. This is three hundred and sixty-four feet long now, though originally it is supposed to have been shorter, and to have terminated in an apse. A *chevet* was added about a century later. At the western end was the principal entrance (lateral entrances were not used at this date), and this was flanked by two towers. This, later on, became a most important feature in French churches; but it was not confined to the west end, when side entrances were introduced, they were treated in a similar manner. The attempt made to erect towers at the intersection of the nave and transepts was not successful, and was finally abandoned in favor of towers and spires rising from the ground, at the ends and sides of the buildings. Up to this time churches in Normandy possessed simple tunnel-vaulted roofs, copied from the South, but that which was admissible in the bright South would not suit the northern provinces, and larger windows were found to be a necessity. Several attempts were made to meet the requirements, but they found a difficulty in piercing their walls without weakening the supports of the heavy roofing. They began by erecting their piers of greater size, until they were in themselves, strong enough to resist the thrust of the vaults. They next erected a quadripartite vault, making a square of the width of the nave, ignoring the intermediate shaft, and throwing a single arch across to every other pier. This was not satisfactory in its appearance, and a compromise was adopted, and a sort of intermediate vault spring from alternate piers was introduced. This gave the necessary height to the side walls, and consequently plenty of window space, but though mechanically correct, from an artistic point of view it was very unpleasing. But in spite of all the ingenuity expended upon it during this hundred years, nothing was arrived at that could be called perfectly satisfactory. And now we come to a very important point in our history, and one to which particular attention should be paid. Our architects had recourse to the *pointed arch*, and the problem was solved. This feature enabled them to raise the side walls where they pleased, and the plan of the groining was altered, so that each bay was complete in itself. Great progress was made during the twenty or thirty years that elapsed between the erection of the Church of St. Etienne, and that of the Abbaye aux Dames. The triforium at the former was a great gallery, but in the latter was reduced to a mere passage. The bare spaces on the walls











were felt to be in need of decoration, and t
simple geometrical patterns, which had hitho

THE EXCAVATION OF OLD BU

THE
to
of
Buckfa
was be
has an
extend
land.
the ren
to the
fall of
island;
culiari
church
carved
succes
late P
distinc

to the uninitiated but thoughtful observer.
the compensation for technical ignorance, t
monkish owners under a vow of silence, wil
which belongs as much to its remoteness fro
much with us, as to its traditions of another
with other thoughts, aims, and standards th

Of twenty-six monastic houses in Devo
Dissolution. Buckfast, and Tavistock Ab
which dated from before the Conquest.
briefly, that Benedictine monasticism in t
much more slowly developed than in the ea
Devonshire not having been completed unti
century. The Saxon was the friend and
tine monk; the native Briton, his uncompr
brought in Roman priests as he advance
back inch by inch before them. Still "on
ward was alive and dead," to use the pic
Doomsday Book, the lands of Buckfast we
almost the same extent in the reign of the
Henry VIII. Among the items of propert
the reign of the former king, were six hu
which is an indication of what was after
wealth, namely: wool and woolen manufa
try still remains, for a large wool factory.
of the materials of the ancient abbey, seem
antries, to be flourishing upon the misforts

Magnificent indeed, must have been th
days of their greatness, covering several a
manorial estates, which extended for miles
ing over all as a feudal lord, having the p

A traveller, one Mr. Laskey, in the
1796, has left a valuable account of what
but the masses of stones piled one upon a
have disappeared, in spite of his predictio
remain in that state for ages to come. M
clearly the three distinct monastic revivals
the first being between 1112 and 1145, wi
stances which do not appear to be clearly
incorporated with the Benedictine Congre
as the Gray Monks; and it was at this tim
the House of Pomeroy began. Ethelwer
deed institute the monastery, the origins
though several ancient accounts of Buckf
so doing; but the grateful monks, after the
egryists, ascribed to him this honor, on acc
the Benedictine house; for, as we shall e
tural history shows that the abbey whose
laid bare was erected at this period.

In 1148, however, the thirty monasteries
gregation, passed into the hands of the C
Bernard, was still living. The golden age
just begun; the first fervor of an enthusi
from all touch of worldliness was upon
Furs, rich skins, superfluous habits, soft b
and other like extravagancies" were to be
no shirts, ate no meat except in grievous s
nor cheese, unless on extraordinary occasi
sang psalms until daybreak, and spent the
prayer. Empty conventionalities and de
their foundations by this advancing tid
The Order had one hundred and nine n
alone at the close of the fifteenth centur
Tintern, Fountains, and Furness were o
Waverley, Buckfast passed under this ri
stern the Order of St. Bernard seems to
a vow of silence; yet one has written
passed from the joys of Clairvaux to the

"*Buckfast Abbey.*" A pamphlet by Rev. Ad

ISTORY.—A correspondent of the Cincinnati omething singularly attractive about all these ge, their history and constant use through- ynasty or form of religion the place contain- erhaps this change has been exemplified ily than at Seville, for Seville has rung the nient and difference of rule almost as much old city in the times of Strabo, Pliny and n, active then, still continues as to whether ercules or Bacchus, or in epochs less mytho- oenicians or the Jews. Up to the year 711, ic rule. Then it was that the Moors seized va put over it a governor of his own. In so proud as to wish for a king of their own, making a monarchy of Seville was to put a ir own Viceroy. But the Sultan of Cordova ced, so he sent down an army to recapture own crown, and Seville took possession of d II, king of Castile and Leon, seized Cor- now declared herself a republic. Twelve zed Seville for himself, and incorporated it dom of Castile. Thus has Seville become years a colony of Rome, a dominion of the tan of Cordova, an independent capital of subject of the kingdom of Castile. On the cupied by the ancient cathedral of Seville, through all this time, each religion, though ceasing to use the temples of its predeces- a temple of Venus, a temple of Jupiter, a Catholic cathedral have all occupied this er purification from the foul contamination ger, of whatever faith, or of no faith at all, nds on hallowed ground. All around it in ne, partly sound, in places broken off irreg- ten structures, else all effaced. And as we ils of the present temple itself, the thought hat will be the new religion to succeed all f the great reformer, which has spread like any of the lands of highest civilization, reason which believes nothing not demon- hich is gradually undermining all faith in s of the earth? Will this old cathedral, con- the one God, built upon the ground where erification of many gods, will it give way in wherein will be expounded the laws of Goths and Moors, as well as Christians, But not in our day; certainly not here. ias!

SEA.—With reference to the daring French t of Sahara with what would be virtually recall the opinion expressed by M. Elisée the world's history the desert was covered Mediterranean, and that this sea exercised the temperature of France, as comparat- ot winds blew over it, while now the winds xpanse are of a much higher temperature, suffocatingly hot. The appearance of the theory of M. Elisée Réclus, that it was at f considerable extent, of which the great discovered are possibly the remains. The nfiguration of the African continent would nclusion that at one time it comprised a less at present. The serious question which ory of M Elisée Réclus is substantially cor- ct of the creation of a second African sea as disappeared? Would the temperature of of England, be again reduced? It is a he glacial period of the world's history, with ice and snow, very much as Greenland nfluence must clearly have been brought to Britain, which rolled the ice over so many What was this influence? Was it the large nterprise is endeavoring to recreate? If it hatever the French may gain in Africa by sea would be much more than counterbal- se in France itself.—*Engineering.*

NGLAND. — Apart from the political effects, ice to refer, of the new electoral division of ided as a step toward what may be called The rapidly-increasing pressure of popula- ed long enough, in time convert a populous as. But the rate of agglomeration varies ewer than 10,000 inhabitants, as a rule, are opulation; some of them are actually de- districts. As a general rule the outer ring owns of between 100,000 and 200,000 inhabi- asing. Most marked of all is the increase rside towns. In twenty-five towns classed houses from 1871 to 1881 was 16.6 per cent; per cent; and in Barrow-in-Furness 148 per etermination of the population toward cer- matter of primary importance as regards country, with a general increment which enumerated in 1881 by the year 1930. The ase in the number of inhabited houses was gainst a rural increase of 11.0 per cent, and opulations between 100,000 and 200,000 each, houses, the increase in the decade has been . The town builders are thus those whose *Lond der.*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

309,998. BENCH-HOOK. — Charles M. Van Vleck, Uhrichsville, O.

310,014. FIRE-ESCAPE. — Chas. B. Anderson, Maysville, Ky.

310,033. ADJUSTABLE BUTT-HINGE.— Robert G. S. Collamore, Boston, Mass.

310,046. SPIRIT-LEVEL.—Albert D. Goodell, Millor's Falls, Mass.

310,048. SPIRIT-LEVEL. — William Grams, Sturgis, Dak.

310,076. HINGE FOR AWNING-BLINDS.— Patrick K. O'Lally, Boston, Mass.

310,079. VENTILATION OF SOIL AND WASTE PIPES. —Papheo D. Pine, Worcester, Mass.

310,084. LOCK. — George W. Roberts, Walla Walla, Wash.

310,087. FIRE-ESCAPE.—Clark R. Shelton, New Haven, Conn.

310,088. BRICK.— Arthur Sherry, Learned Station, Miss.

310,100. JACK-SCREW.—Walter W. Vaughn, Stockton, Cal.

310,116. HOT-AIR REGISTER. — John F. Beale, Washington, D. C.

310,154. SPIRIT-LEVEL. — Benjamin F. Tyler, Salem, N. J.

310,156. SMOKE-CONSUMER. — William Vogel, Chicago, Ill.

310,157. FILTER. — Andrew von Weisenfluo, Scranton, Pa.

310,163. PLANE.—William F. Achenbach, Reading, Pa.

310,179. DOOR-CLOSER. — Edward H. Brown, New York, N. Y.

310,183. ELEVATOR. — Philip F. Corbett, Boston, Mass.

310,192. FIBROUS-PULP ROOFING-TILE.— Julius T. Edson, Cleveland, O.

310,205. FABRIC FOR COVERING HEATED SURFACES.—Henry W. Johns, New York, N. Y.

310,212. AIR-REFRIGERATING APPARATUS.—Chas. P. Marshall, Memphis, Tenn.

310,218. LADDER. —Joseph D. Norton and Leonard M. Norton, West Hampton, Mass.

310,220. SASH-HOLDER. — Chas. A. Paul, Mill Centre, Wis.

310,229. DOOR-HANGER. — Obadiah Seeley, Syracuse, N. Y.

310,232. LUMBER-STACKER. — William T. Smith, Bozeman, Ala.

310,242. BURGLAR-ALARM. — James G. Batterson, Hartford, Conn.

310,277. OPEN FIRE-PLACE.—Isaac Hayes, Philadelphia, Pa.

310,292. CALIPERS. — Frank G. Lilja, Springfield, Mass.

310,298. SEWER-CONNECTION FOR WATER-CLOSETS.—Samuel G. MacFarland, New York, N. Y.

310,300. PIPE-COUPLING. — William R. Middleton, Cleveland, O.

310,312. WINDOW-SCREEN. — Josiah K. Proctor, Philadelphia, Pa.

310,320. SPRING-LOCK FOR HATCHWAYS.—William J. Ritchey, Pittsburg, Pa.

310,341. WELL-CURB.—Miciah Walker, Port Huron, Mich.

310,344. BATH-TUB.—Alexander M. Waterworth, Baltimore, Md.

310,349. CHAMFERING-PLANE.—Richard V. Wicks, Brooklyn, N. Y.

310,352. TRANSOM-LIFTER.—John F. Wollensak, Chicago, Ill.

310,355. WINDOW. — Robert Adams, 17 Blackman Street Borough, County of Surrey, England.

310,364. WEATHER-STRIP. — Charles A. Binkly, Troy, O.

310,372. SHUTTER-WORKER. — Robert I. Brown, New York, N. Y.

310,375. STEAM-RADIATOR. — William G. Cannon, London Road, Southwark, County of Surrey, Eng.

310,377. MOULD AND MOULD-HOISTING APPARATUS FOR BUILDING CONCRETE WALLS.—Thomas W. Carrico, San Antonio, Tex.

310,381. MARQUETRY. — Amand J. B. A. Chatain, New York, N. Y.

310,391. CHIMNEY-CAP.— Henry S. Dickinson, Jersey City, N. J.

310,401. WATER-CLOSET SEAT.—Melchor Fox, Eau Claire, Wis.

310,404. FIRE-EXTINGUISHING COMPOUND.—Ferdinand Frolich, New York, N. Y.

310,406. WEATHER-STRIP. — Stephen J. Gard and Jaroslav Zaruba, Goshen, Io.

310,409. SPRING-HINGE. — William Gilfillan, New Haven, Conn.

310,421. BURGLAR-ALARM. — Horace T. Helmbold, Philadelphia, Pa.

310,432. AUTOMATIC FIRE-EXTINGUISHER. — Chas. L. Horack, Brooklyn, N. Y.

310,437. GRATE-FRONT.—E. A. Jackson, New York, N. Y.

310,445. HEATING APPARATUS.—Eduard Kraschovitz, Reudnitz, near Leipsic, Germany.

310,450. DRAUGHTSMAN'S DIVIDING-INSTRUMENT. —Phœbe S. Marks, 13 Cornwall Residences, Regent's Park, St. Marylebone, County of Middlesex, Eng.

310,473. BENCH-PLANE. — Wm. Steers, Brattleborough, Vt.

310,481. EASEL.—Thomas C. Vail, Topeka, Kans.

310,513. GRATE.—John W. Houston, Bellaire, O.

310,529. FLUSHING-SIPHON. — Harvey C. Lowrie, Denver City, Col.

SUMMARY OF THE WEEK.

Baltimore.

DWELLINGS. — W. L. Stork, Esq., is to have erected twenty-two (22) three-st'y and mansard marble and brown-stone dwells., near Boundary Ave., com. cor. Bolton St., 16' 6" x 65' and 18' x 65', and 20' x 65', to cost about $110,000; from designs by Wm. F. Weber, architect.

BUILDING PERMITS. — Since our last report nine permits have been granted, the more important of which are the following: —

E. W. Haviland, 6 two-st'y brick buildings, e s Stockton Alley, n of Mosher St.

Morgan & Bro., 12 two-st'y brick buildings, e s Hanover St., n of Cross St.

Frank Gunterman, three-st'y brick buildings, s s Henrietta St., bet. Sharp St. and Peach Alley.

Boston.

BUILDING PERMITS. — *Shawmut Ave., No.* 771, dwell., 20' x 40'; C. W. Geiler, owner.

Richfield St., near Columbia St., dwell., 22' x 30'; N. M. Robbins, owner and builder.

Dudley St., No. 434, wooden storage, 12' x 25'; Ed. H. Rice, owner; Michael Quinn, builder.

Washington St., near Keyes St., wooden dwell., 21' x 32'; Hannah Kennedy, owner; Michael Kennedy, builder.

Falcon St., near Putnam St., wooden stable, 20' x 25'; Mary A. F. Lambert, owner.

Savin St., near Warren St., wooden dwell., 24' x 30'; Lorenzo Base, owner.

Centre St., near Pynchon St., wooden store, 20' x 24'; H. B. Grant & M. Sargent, owners; Richardson & Young, builders.

Granite St., near Mt. Washington Ave., wooden storage of scenery, 50' x 100'; Boston Manufacturing Corporation, owners; N. S. Wilbur, builder.

Sweet St., opposite Magazine St., wooden storage, 50' x 250'; Bradley Fertilizing Co., owner; C. Feldon, Jr., builder.

North First St., No. 168, wooden storage, 40' x 44'; Asa P. Moore, owner; Michael Driscoll, builder.

Brooks St., No. 3, wooden mechanical building, 15' x 30'; John D. Finn, owner; G. G. White, builder.

Ashland St., wooden church, 43' x 71'; Rosendale Baptist Church Society, owners; Alex. Rogers, builder.

Florence St., wooden church, 43' x 71'; Rosendale Baptist Church Society, owner; Alex. Rogers, builder.

South St., wooden stable, 30' x 80'; C. W. Clapp & Co., owners.

North Second St., No. 186, wooden stable, 30' x 80'; S. Pinnell, owner.

Ashley Ave., No. 28, wooden store and stable, 18' x 22'; G. B. Green, owner and builder.

Cottage St., wooden shed, 22' x 50'; Lewis S. Andrews, owner; F. W. Webster, builder.

Holburn St., 2 wooden dwells., 30' x 105'; Geldert & White, owners and builders.

Searer St., No. 266, wooden wagon-shed, 16' x 20'; Augustus Packer, owner.

Elm Hill Ave., wooden wagon-shed, 16' x 20'; Augustus Packer, owner.

Blue Hill Ave., wooden dwell., 22' x 30'; Patrick Daly, owner; J. H. Burt & Co., builders.

Purchase St., cor. Hartford St., brick mercantile-building, 14' x 12'; L. A. Bullard, owner; Woodbury & Leighton, builders.

Taylor St., brick dry-house, 51' x 112'; A. T. Stearns Lumber Co., owner; Collins & Morley, builders.

Green St., brick bowling-alley, 51' x 100'; Patrick Mehan, owner; Daniel Cuylin, builder.

Oliver St., brick restaurant, 16' x 260'; L. M. Childs & A. D. McDougall, owners.

Taylor St., brick mechanical building, 20' x 122', A. T. Stearns Lumber Co., owners; Collins & Morley, builders.

Clarendon St., brick storage, 15' x 15'; B. & P. R. R. Co., owner; G. F. Folsom, builder.

Newbury St., 2 brick dwells., 18' x 22'; Silas W. Morrill, owner and builder.

Brooklyn.

BUILDING PERMITS. — *North Eighth St.*, s s, 150' e Third St., four-st'y frame (brick-filled) tenement, tin roof; cost, $5,500; owner, John Starkey, 331 Fourth St.; architect, A. Herbert; builders, J. Starkey & Son.

Clay St., Nos. 42 *and* 44, s s, 325' w Manhattan Ave., 2 three-st'y frame tenements, felt and gravel roofs; cost, $7,200 for both; owner, Thomas Thompson, 361 East Seventy-first St., New York; architect, James Denning; builders, James Nilen and John Costello.

Judge St., No. 10, e s, 110' n Powers St., four-st'y frame (brick-filled) store and tenement, tin roof; cost, $4,000; owner and builder, Henry Kinn, 8 Judge St.; architect, A. Herbert.

Monteith St., Nos. 53 *and* 55, n s, near Bremen St., 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $4,200; owner, Henry Stubing, Monteith St.; builder, Henry Kempf.

North Eighth St., No. 413, n s, 200' e Third St., four-st'y frame (brick-filled) tenement, tin roof; cost, $5,500; owner, Matthew Smith, on premises; architect, A. Herbert; builder, not selected.

North Ninth St, s s, 150' w Fifth St., four-st'y frame (brick-filled) tenement, tin roof; cost, $5,600; owner, P. Bosden, North Ninth St.; architect, A. Herbert.

Steuben St., w s, 200' s Park Ave., 3 three-st'y tenements, tin roofs; cost for all, $9,000; owner, James Cary; builders, Long & Barnes.

Steuben St., w s 200' s Park Ave., 3 three-st'y brick tenements, tin roof, wooden cornices; cost, each, $5,000; owner, James Carey, cor. Clermont and Willoughby Aves.; builders, P. J. Carlin and Long & Barnes.

Fourteenth St., s s, 247' 10" w Sixth Ave., 3 two-st'y brick dwells., tin roofs, wooden cornices; cost, each, $2,500; owner and builder, Geo. R. Waldron, 529 Halsey St.; architect, Amzi Hill.

Penn St., s s, 100' w Broadway, one-st'y brick Municipal Electric Light Co. plant, iron roof; cost, $8,000; owner, Municipal Electric Light Co., 104 Broadway; architect, E. F. Gaylor; builder, James Haughan.

ALTERATIONS. — *Scholes St.*, n s, 75' w Graham Ave., two-st'y frame extension, tin roof, also beams put in first st'y and entire building filled in with brick; cost, $2,500; owner, Th. Kayser, Graham Ave., near Scholes St.; architect, John Platte; builder, Ulrich Maurer.

Nevins St., s w cor. Baltic St., raise roof 5'; also, one-st'y frame extension, gravel roof; cost, $3,000; owner, John S. Loomis, cor. Nevins and Baltic Sts.; architect and builder, John P. Free.

South Portland Ave., No. 52, first flight stairs rebuilt and house retrimmed; cost, $6,000; owner, A. A. Peck, Liberty St., n w Nassau St., New York; architect, R. H. Rowden; builders, Jeans & Taylor.

Chicago.

THE YEAR'S WORK.—Commissioner Kirkland reports 3468 permits issued for the year ending December 31, 1884; number of buildings, 4169, with 98,782 feet frontage; cost, $20,857,300, requiring an estimated outlay of $26,071,625.

The increase for the year over that of 1883 numbers 294 permits, 83 buildings, and an increased cost of $3,909,015. The large difference in cost is accounted for by the unusually large number of office-buildings and other expensive structures.

Among the more important buildings are the following: —

Armour, Kent & Bonsley, office-building; cost, $1,000,000.

Home Insurance Co., office-building; cost, $390,000.

J. M. Loomis, office-building; cost, $300,000.

Chicago Opera-house Co., opera-house; cost, $500,000.

Marshall Field, office-building; cost, $400,000.

John Q. Adams, office-building; cost, $135,000.

P. C. & S. L. Brooks, office-building; cost, $250,000.

W. D. Kerfoot & Co., office-building; cost, $80,000.

Western Theological Seminary; cost, $75,000.

Chicago Gas-Light Co., tank; cost, $50,000.

J. K. Fisher, building; cost, $50,000.

F. A. Kennedy & Co., bakery; cost, $50,000.

Heissler & Gung, bakery; cost, $60,000.

Gottfried Brewing Co., brewery; cost, $100,000.

H. Beidler, factory; cost, $60,000.

Washington Bou. Skating Rink Co.; cost, $50,000.

A. F. Troescher, warehouse; cost, $70,000.

M. Ryerson, warehouse; cost, $50,000.

Mrs. McCormick, warehouse; cost, $75,000.

Thos. Moran, flats; cost, $60,000.

F. C. Porter, flats; cost, $60,000.

C. B. Blair, store; cost, $100,000.

New England Insurance Co., store; cost, $55,000.

J. P. Atwater, stores; cost, $50,000.

P. Hoenschofen, stores; cost, $50,000.

Conrad Seipp, stores; cost, $50,000.

Armour, Dole & Co., building; cost, $80,000.

H. B. Foss, dwells.; cost, $60,000.

U. P. Smith, dwells.; cost, $80,000.

J. Beecher, dwells.; cost, $50,000.

Board of Education, school-house; cost, $75,000.

Board of Education, school-house; cost, $50,000.

BUILDING-PERMITS.—Board of Education, three-st'y school-house, 2527-2545 Lime St.; cost, $40,000; architect, J. J. Flanders; builder, D. H. Wilkie.

Baird & Bradley, 2 three-st'y dwells., 1507 and 1507½ Michigan Ave.; cost, $15,000; architect, H. L. Gay; builder, D. H. Wilkie.

D. R. Fraser, 2 two-st'y dwells., 390 and 392 Warren Ave.; cost, $9,000; architects, Cobb & Frost; builders, Angus & Gindele.

D. McGowan, two-st'y dwell., 71 North Leavitt St.; cost, $3,000; architect, Wm. Strippelman.

P. C. Brooks, twelve-st'y office-building, 282-288 Clark St.; cost, $220,000; architects, Burnham & Root.

Thos. Carey, two-st'y dwell., 263 Webster Ave.; cost, $3,000.

Western Art Association, panorama-building, 127-131 Michigan Ave.; cost, $28,000; architect, J. M. Carreere; builder, J. W. Garvey.

A. Geiss, four-st'y factory and dwell., 96 Wendell St.; cost, $10,000.

Fred. Rose, store and dwell., 951 West Madison St.; cost, $1,400.

Detroit.

BUILDING PERMITS. — R. Nelson, 2 brick houses, Fourth St.; cost, $5,500.

W. B. Wesson, brick hotel, Woodbridge St.; cost, $13,000.

C. C. Hodges, residence, cor. Woodward and Bradshaw Aves.; cost, $7,200.

D. Brooks, brick mill, cor. Warren Ave. and Fifteenth St.; cost, $6,000.

John Waterfall, brick house, No. 507 Cass Ave.; cost, $7,500.

N. Mitchell, five-st'y brick block, Woodbridge St.; cost, $20,000.

Donaldson & Meur, architects, brick building for American News Co.; cost, $25,000.

Brick residence for Mrs. Green, Joy St.; cost, $9,000.

Brick residence for T. A. Wadsworth, McDougall Ave.; cost, $7,000.

J. Waterfall & Son, 3 houses, Cass Ave.; cost, $20,000.

Mrs. Jacober, 2 brick stores, Gratiot Ave.; cost, $3,000.

Mrs. N. Williams, brick house, Larned St.; cost, $5,000.

Schmidt & Co., block two-st'y brick dwells., Eighth St.; cost, $12,000.

Mrs. Dudley, 2 brick houses, Second St.; cost, $11,000.

Thomas Manning, brick house, Miami Ave.; cost, $6,000.

walls. Work was immediately com-
th half of the whole tower, and finally
hed the bottom, and it is now rebuilt

wishes to make are for the benefit
the profession, as the older ones
ps, the aged architect of this build-
now all about it. Be careful to have
material and method of construction,
se finer and quicker-setting cement,
ter in proportion, so that they will
those in the hot summer sun on the
you use iron and stone or brick col-
ons where the openings are arched,
harmoniously together.
ction for the young in the foregoing
columns, if not, you know where

C. A. Dunham.

ND CLIPPINGS.

ns. — A scheme has actually been put
aim the Goodwin quicksands and fer-
the sewage of Ramsgate through a

es. — A few days ago, during a vio-
on the Cour de Rive, a street in the
by lightning. Directly after the
minute examination of the tree. He
are the highest branches, especially
Thence the electric fluid runs down
almost the whole of them — to the
trunk. These large branches, and
ch worse conductors than the small
hem of the fluid produces heat and
bark and sometimes the wood are
wn a considerable distance off. It not
pper branches and their leaves are
se with oaks, which are often struck;
of poplars and many other trees are
they not appear when struck to
ru general that, though their
, not more than two or three-
by lightning have their leaves shriv-
induction finds full confirmation in the
Cour de Rive, for it is not often in
by lightning early in May, when their
this instance the principal and high-
northwestern side, was the first with
its leaves and twigs, neither withered
nute fragments and scattered about on
not of the lightning, but of the con-
had been an explosion of dynamite
two houses close by were broken in
cause. Before even the professor
find not far from it a spring or
of water near the root of a tree is
attraction for the electric fluid. In
four yards from the poplar, on its
d close to it a drain filled with waste
ipal fissure in the tree was also on the
it and the water-pipe a plank lying
by a concentrated jet of the electric
by the shortest route. Many trees,
ared to buildings the lightning con-
d to the ground. A building of this
luid, would in all probability remain
riously damaged beneath the part
nce, by far the safest part of a tree
its topmost branches. This explains
wd their nests so seldom disturbed by
sought shelter under the spreading
ruck. The electric fluid, finding the
perfect conductors, is easily attracted
r they be bushes or human beings.
ars, placed near a house may serve as
ors, but always on the indispensable
running water on the opposite side of
ctric fluid, if it struck the tree, might
way to the water. In 1864 a house at
plar on one side and a marsh on the
ne, and the path of the electric fluid,
e tree, across the room of the building
raced. Hence, in erecting lightning
ir lower extremities should terminate
damp ground. The plant most sensi-
When a stroke of lightning falls in a
e turned red-brown or deep green, a
he opinion of Professor Colladon, that
sheet or shower, and not in a single
hed — sometimes several hundred — by
hitning has covered a wide area. This
n to the theory that lightning disperses
es of trees and over ground covered by
s.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

310,880. Apparatus for Preserving Wood. — Edward Z. Collings, Camden, N. J., and Chas. F. Pike, Philadelphia, Pa.

310,882. Fireplace. — William Crook, Salisbury, Eng.

310,887. Fire-extinguishing Compound. — John M. Giblin, Sheboygan, Wis.

310,889. Fire-extinguishing Compound. — John M. Giblin, Sheboygan, Wis.

310,892. Permutation-Lock. — Chas. Hill, Los Angeles, Cal.

310,900. Latch. — Paul L. Maltbie, Newark, N. J.

310,904. Heating-Stove. — Preston K. McMinn, Bement, Ill.

310,926. Wood-Steaming Apparatus. — Van Buren Wheat, Orleans, N. Y.

310,930. Sash-Fastener. — Oliver Benson, Hinsdale, N. Y.

310,960. Wrench. — John L. Phillips, Sullivan, Ind.

310,964. Marking-Gauge. — Ransom Steele, New Britain, Conn.

310,972. Water-Closet Valve. — Herman C. Apel, Milwaukee, Wis.

310,981. Hot-Water Radiator. — Wm. H. Brown, Indianapolis, Ind.

310,983. Sash-Holder. — Frederick Burmeistar, Cleveland, O.

311,020. Window. — William De Mann, New York, N. Y.

311,023. Pulley. — Wesley W. McChesney, Green Island, N. Y.

311,024. Well-Tube. — Frederick W. Miller, Brooklyn, N. Y.

311,026. Flushing-Valve for Water-Closets. — Michael T. F. O'Donnell, Boston, Mass.

311,031. Construction of Buildings. — Richard S. Pearsall, Sea Cliff, N. Y.

311,039. Fire-Escape. — Gottfried Schledt and John A. Rehard, Toledo, O.

311,049. Fastener for Meeting-Rails of Sashes. — Frank A. Weston and Henry C. Frost, South Pueblo, Col.

311,085-087. Water-Trap. — J. Pickering Putnam, Boston, Mass.

311,088. Automatic Fire-Extinguisher. — Daniel C. Stillson, Somerville, Mass.

311,089-091. Self-Closing Hatchway. — Richard D. Thackston, St. Louis, Mo.

311,105. Covering for Chimney-Tops. — Andrew J. Conway, Belleville, Ill.

311,115. Lightning-Conductors. — Joseph R. Fricke, Pittsburgh, Pa.

311,120. Elevator-Gate. — Albert U. Grummann, Indianapolis, Ind.

311,136. Bench-Plane. — Charles L. Mead, New York, N. Y.

311,149. Chimney for Dwelling-Houses. — William E. Stevens, San Francisco, Cal.

311,152-153. Hot-Air Furnace. — Edward A. Tuttle, New York, N. Y.

311,154. Register-Front. — Silas Tuttle, Jr., Brooklyn, N. Y.

311,156. Manufacture of Artificial-Stone Composition. — C. Irvine Walker, Charleston, S. C.

SUMMARY OF THE WEEK.

Baltimore.

Building Permits. — Since our last report nine permits have been granted, the more important of which are the following: —

F. E. Yewell, 3 two-st'y brick buildings, e s Bruce Alley, n of Lanvale St.

Chas. H. Callis, 12 three-st'y brick buildings, e s Broadway, between Belair Ave. and John St.

Hy. Schaumberg, 3 two-st'y brick buildings, s s Sterrett St., between Paca St. and Sterrett Alley.

P. J. Dannenfelser, 2 two-st'y brick buildings (square) e s McDonough St., between Biddle and Chase Sts.

John Malone, three-st'y brick building, w s Wilcox St., between Eager and Chase Sts.

Helene Schmidt, 2 two-st'y brick buildings, e s Norris Alley, s of Townsend St.

Boston.

Theatre. — Papers have been signed by virtue of which the old Hollis Street Church property passes into the control of Isaac B. Rich and William Harris, of the Howard Athenæum. Plans have been made for changing the building into a theatre, to be ready for opening September 1. It will be fitted in elegant style and will be modelled after the Globe, but its dimensions will be much less. The seating capacity will be about one thousand.

Building Permits. — *Brick — Ferdinand St.*, cor. Columbus Ave., manufactory; Brush Electric Light Co., owners; L. P. Soule, contractor.

Taylor St., cor. Water St., planing-mill, 23′ x 69′; The A. T. Stevens Lumber Co., owners and contractors.

Wood. — Heath St., storage, 15′ x 18′; J. B. Mulvey, owner and contractor.

Mulvey Ave., cor. Heath St., 2 dwells., 20′ x 32′; J. B. Mulvey, owner; George Gigle, contractor.

Taylor St., cor. Water St., planing-mill, 22′ x 39′ and 41′; A. T. Stevens Lumber Co., owners and contractors.

Knowlton St., dwell., 21′ x 32′; A. H. O'Neil, owner; H. T. Hutchinson, contractor.

Blue Hill Ave., cor. Water St., dwell., 18′ 6″ and 25′ x 46′; Chas. A. Young, owner; Frank H. Fullen, contractor.

Winship St., cor. Washington St., stable, 30′ x 41′; Chas. Gilligan, owner; Chas. Whitham, contractor.

West Heath St., No. 271, stable, 18′ x 29′; Patrick Owens, owner; Chas. Whitham, owner.

Brooklyn.

Building Permits. — *Van Buren St.*, n s, 100′ e Broadway, two-st'y frame (brick-filled) dwell., tin roof; cost, $3,000; owner and builder, Samuel Post, cor. Van Buren St. and Broadway; architect, Henry Vollweiler.

Stuyvesant Ave., s w cor. Madison St., 5 three-st'y brown-stone dwells., tin roofs; cost, each, $5,000; owner, Kate M. McCormick, 372 South Second St.; architect, Andrew Spence.

Bergen St., n s, 268′ e Clason Ave., 3 three-st'y brick tenements, felt, cement and gravel roofs; cost, each, $4,000; owner and builder, T. W. Swimm, 394 Gates Ave.; architect, Amzi Hill.

Central Ave., e s, 40′ s Prospect St., three-st'y frame (brick-filled) tenement, tin roof; cost, $5,000; owner, Henry Matheis, 12 Central Ave.; architect, Geo. Hillenbrand; builders, H. Schachter and D. Kreuder.

Stagg St., n s, 350′ w Waterbury St., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,000; owner, H. King, cor. Ten Eyck and Humboldt Sts.; architect, Frank Holmberg; builder, John Rueger.

Stagg St., n s, 350′ w Waterbury St., rear, two-st'y frame stable, tin roof; cost, $3,000; owner, architect and builder, same as last.

Stagg St., s s, 350′ w Waterbury St., 2 three-st'y frame (brick-filled) tenements, tin roofs; cost for both, $7,500; owner and builder, Ulrich Maurer, 230 Stagg St.; architect, Th. Engelhardt.

Morrell St., No. 61, w s, 75′ s Moore St., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $4,000; owner, Chas. Keppell, 63 Morrell St.; architect, Th. Engelhardt; builders, M. Kuhn and John Rueger.

Moore St., No. 186, s s, e of Bushwick Ave., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $4,000; owner and builder, Geo. Zoetterlein; architect, Th. Engelhardt.

Prospect Pl., n s, 180′ e Vanderbilt Ave., 2 three-st'y brick dwells., tin roofs; cost, each, $7,000; owner, Robert Furey, 149 Prospect Pl.; architect, John Mumford; builders, Owen Nolan and Joseph Sims.

Lexington Ave., s s, 225′ e Sumner Ave., 6 two-st'y brick dwells., tin roofs; cost, each, $3,000; owner and carpenter, Wm. Godfrey, 548 Monroe St.; mason, Wm. M. Gibson.

Clinton St., e s, 80′ n Third Pl., four-st'y brown-stone flat, tin roof; cost, $8,000; owner and builder, F. W. Fowler, 8 Verona Pl.; architects, Parfitt Bros.

Magnolia St., s s, 175′ e Central Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,500; owner and builder, Fr. Keiser, Magnolia St.; architect, Frank Holmberg.

Cedar St., s s, 26′ 4″ w Myrtle Ave., 3 three-st'y (brick-filled) store and tenements, tin roofs; cost, each, $3,500; owner and builder, Fr. Herr, 778 Broadway; architect, John Herr.

Berkeley Pl., n s, 100′ e Eighth Ave., 4 three-st'y brown-stone dwells., tin roofs; cost, each, $13,000; owners and architects, J. H. Doherty & Bro., 289 Flatbush Ave.

Guernsey St., e s, 102′ s Fourth St., three-st'y frame factory and 2 one-st'y extensions, one brick and one frame, filled in, gravel roofs; cost, $4,500; owner, architect and builder, Samuel Self, 142 Manhattan Ave.

Chicago.

Building Outlook. — Although architects are yet unable to furnish information of work decided upon, they report a brighter prospect now than at this time last year. Stores and dwellings to be erected will be of more superior character.

Storehouses. — Already five large store buildings are contemplated for the new Market — Jackson Street wholesale district, full plans having been drawn for three.

Office-Buildings. — Two tall office-buildings will probably be erected a short distance east, and other large buildings in that district will soon follow.

Building Permits. — Arnold Bros., five-st'y storehouse, rear 149 and 151 West Randolph St.; cost, $16,000.

Andrew Johnston, 8 one-st'y stores, 779 to 785 West Madison St.; cost, $10,000.

New York.

Bank. — The Emigrant Savings Bank will erect at Nos. 49 and 51 Chambers St. a new building, to cost $300,000.

Exchange. — The New York Stock Exchange contemplate alterations to their building, for which competitive plans are being prepared.

Hotel. — The Grand Central Hotel is to be extensively improved by the new lessee, Mr. F. T. Walton, late of the St. James Hotel.

Office-Building. — Nos. 177 and 179 Broadway are to be altered and improved, at a cost of $25,000, from designs of Mr. Ferdinand Fish.

Houses. — On the s e cor. of Avenue A and Fifty-eighth St., 13 three-st'y and basement brown-stone houses, 16′ 8″ x 50′, are to be built for Mr. Theo. Schumacher, at a cost of $110,000, from designs of Messrs. Hugo Kafka & Co.

Building Permits. — *One Hundred and Sixty-third St.*, n s, 310′ e Courtland Ave., one-st'y brick foundry-building, tin roof; cost, $6,000; owner, Francis Keil, 163 East Fifty-third St.; architect, C. Steinmetz.

Broome St., n w cor. Marion St., seven-st'y brick store, fire-proof roof; cost, $25,000; owners, Browning, King & Co., 408-412 Broome St.; architects, Wm. Field & Son.

West Twenty-ninth St., No. 220, five-st'y brick workshop, tin roof; cost, $9,000; owner, Mrs. Mary Smith, 136 West One Hundred and Twenty-second St.; architects, D. & J. Jardine.

Broadway, No. 545, extending through to No. 116 Mercer St., six-st'y iron store, tin roof; cost, $60,000; owner, Samuel Inslee, 410 Broadway; architect, S. A. Warner; builder, not selected.

Sixty-first St., s s, 100′ e Eleventh Ave., 8 five-st'y brick tenements, tin roofs; cost, each, $18,000; owner, Gotthold Haug, 1766 Third Ave.; architect, G. W. Spitzer.

Orchard St., No. 21, four-st'y brick store and dwell., tin roof; cost, $7,500; owner, Jacob Zimmermeier, 507 West Fifty-fourth St.; architect, M. L. Ungrich; builder, not selected.

Division St., Nos. 184 *and* 186, six-st'y brick tenement and stores, tin roofs; cost, $25,500; owner, Lewis Krulewitch, 192 Division St.; architect, Adam Munch.

One Hundred and Thirty-fourth St., n w cor. Brown Pl., 9 three-st'y brick dwells., tin roofs; cost, each, $4,500; owners, David T. Davies, One Hundred and Thirty-fourth St., s w cor. Brown Pl., and Anthony McOwen, Third Ave., cor. One Hundred and Fifty-fifth St.; architect, David T. Davies.

East Thirty-first St., Nos. 338 *and* 340, five-st'y brick factory, tin roof; cost, $14,000; owner, Fred. Bauer, 594 Broadway; architect, F. Jacobson; builder, Geo. W. Mulligan.

One Hundred and Thirty-fourth St., n s, 100′ e Eighth Ave., 4 four-st'y brick dwells., tin and slate roofs; cost, each, $9,000; owner, E. H. M. Just, 35 Great Jones St.; architect, M. C. Merritt.

One Hundred and Thirty-fourth St., n s, 161′ 6″ e Eighth Ave., 4 four-st'y brick dwells., tin and slate roofs; cost, each, $9,000; owner and architect, same as last.

Tenth Ave., e s, Sixty-fourth to Sixty-fifth St., 8 five-st'y brick tenements and stores, tin roofs; cost, each, $14,500; owner and builder, Henry J. Burchell, 58 East Fifty-third St.; architect, F. S. Barus.

Madison Ave., s e cor. Seventy-seventh St., six-st'y brick and stone apartment-house, brick arch roof; cost, $140,000; owners, Wm. B. and Ed. Franke, 1267 Broadway; architect, Wm. B. Franke; builder, Ed. Franke.

East Seventy-sixth St., Nos. 185 *and* 187, 2 five-st'y brick tenements, tin roofs; cost, each, $12,000; owners, S. T. Meyer & Son, 71 Broadway; architect, Arthur L. Meyer; builder, W. F. Lennon.

Tenth Ave., s w cor. Sixty-second St., 4 five-st'y brick tenements, tin roofs; cost, each, $18,000; owner, Gotthold Haug, 1766 Third Ave.; architect, G. W. Spitzer.

Hester St., No. 51, five-st'y brick tenement, tin roof; cost, $10,000; owner, Betisa Satenstein, 55 Hester St.; architect, Wm. Graul.

Grand St., No. 388, five-st'y brick tenement, tin roof; cost, $22,000; owner, Solomon Bachrach, 375 Grand St.; architect, Wm. Graul.

Centre St., Nos. 138 *and* 140, six-st'y brick and iron front building, metal roof; cost, $35,000; owner, P. Lorillard, 3 Mercer St.; architect, Jno. B. Snook.

One Hundred and Fiftieth St., s s, 70′ 3″ e Morris Ave., two-st'y brick dwell., tin roof; cost, $5,000; owner, William Morrissey, 446 East Thirteenth St.; architects, Berger & Baylies; builder, Peter Daly.

West Thirty-sixth St., Nos. 352 *and* 354, four-st'y brick school-house, tin roof; cost, $38,000; owner, City of New York Board of Education; architect, D. J. Stagg, 146 Grand St.; builder, Wm. B. Pettit.

Alterations. — *Broadway, No.* 697, s w cor. Fourth St., interior alterations; cost, $5,000; owners, Wm. E. Davies, Demarest, N. J., and Isaac W. Maclay, 321 Palisade Ave., Yonkers, N. Y.

Broadway, No. 597, repair damage by fire; cost, $5,350; owner, Chas. C. Halsey, 13 East Seventy-seventh St.; architect and builder, Henry Wallace.

Broadway, Nos. 557 *and* 559, passenger-elevator, etc.; cost, $3,000; owner, C. E. Detmold, 27 West Tenth St.; architect and builder, Jno. Downey.

Maiden Lane, Nos. 41 *and* 43, six-st'y brick extension, old rear building removed, interior and front alterations to main building; owner, Chas. Knapp, on premises; architects, De Lemos & Cordes; builder, not selected.

Grand St., No. 271, n e cor. Forsyth St., new side wall, vault, balcony, interior alterations, new stairs, etc.; cost, $8,000; owner, Samuel Cohen, 281 Grand St.; architect, J. Boekell.

Third Ave., No. 1398, one-st'y brick extension, gravel roof; cost, $18,000; owners, Ed. D. Jones and W. J. T. Duff, 1417 Third Ave.; builder, John Farrell.

Gouverneur Slip, foot of Gouverner St., take down and rebuild easterly wall and internal alterations (to be fitted up for reception hospital; cost, $9,000; owners, City of New York Commissioners Charity and Correction, 66 Third Ave.; architects, N. Le Brun & Son.

West Thirty-third St., No. 372, raise roof and a four-st'y brick extension, tin roof; cost, $5,000; owner, Catharine Taylor, on premises; architect, A. E. Hudson; builder, not selected.

Eightieth St., n s, 260′ e Madison Ave., one-st'y brick extension, tin roof; cost, $3,000; owner and builder, Ed. Kilpatrick, 353 East Seventy-eighth St.; architects, D. & J. Jardine.

West Thirty-eighth St., No. 5, two-st'y brick extension, tin roof; cost, $4,000; owner, J. F. Degener, 28 West Twenty-ninth St.; builder, John Downey.

Philadelphia.

Building Permits. — *North St.*, s s, between Fifth and Sixth Sts., rebuilding fire-st'y store, 34′ x 95′; Marriner & Buckingham, contractors.

Forty-first St., cor. Haverford Road, workshop for Railway Co., 63′ x 160′; Samuel Hart, contractor.

Dickinson St., between Nineteenth and Twentieth Sts., 6 two-st'y dwelling-houses, 16′ x 42′; F. & P. Gallagher, owners.

Firth St., between Twenty-first and Twenty-second Sts., three-st'y dwell., 15′ 8″ x 42′; Jas. Gillen, owner.

Chestnut St., between Twenty-third and Twenty-fourth Sts., skating-rink, 112′ x 220′; H. L. Thompson, contractor.

COPYRIGHTED 1888 JAMES R. OSGOOD & CO.

HELIOTYPE PRINTING CO. BOSTON

A. J. Cooper } Owners. Adams Express Building — Chicago, Geo. H. Edbrooke, Architect.
Jas. D. Carson }
185 to 189 Dearborn St.

ently cut down at six o'clock in the ory, and into paper at six o'clock in morning was distributed as a printed

nor, on Friday, January 23, which quake, nor yet to a dynamite ex- the university buildings was raction of ice in Lake Mendota. the ice had expanded until the longer, when the ice burst and from the shore and on a line paral- shores from pressure caused the upon bodies of water having low up of huge rocks on the edge re line of lakes frequently con- successive winters.—*Milwaukee*

— We regret to announce the writings on architectural topics professional journals. Mr. Hug- profession, but seems to have ting about it. His papers, read to this and other journals were first and staunchest opponents of a restoration movement. He was *History of Architecture*," which was *t.* One of his latest literary — was the publication, in our inions as to the style, etc., of the 26th ult. And it is a remarkable itable perseverance that even on at upon him to write us, apologiz- mise made a week or two since. before he died. In it he spoke overy and of the work left unfin- d, in Kent, in 1811.—*British Archi-*

tment of Public Works. — The Works for the year ending Decem- Mayor. The expenditures for the m $2,716,287.38 was expended on assessment fund, street improve- r supply, and $53,275.77 on trust all in the Croton water- nce 1805 has only been veral periods of extreme s of water had to be drawn from lakes to supplement the natural p the aqueduct fully supplied. full. A water-supply of about from the Bronx River. The receiving-reservoir at William's s now in use is 562.9 miles, with The average quantity of water ters is 20,000,000 gallons. The n freezing weather through the ucets day and night, to prevent fact that on a single cold day, oir was drawn down five inches, on that day over the usual con- ved from the aqueduct. The ,985,329.32 for water, and $143,- from other sources. —*New York*

city as well as the capital of the about fifteen hundred miles from med by the junction of the Blue and principal landings are on the is about fourteen hundred feet n extensive quay on the banks of e of a country as large as all of the Soudan are not commer- it rivers bring to this point a productions are ivory, hides, inhabitants of that vast country has said that bees are the only ntry. A great part of the city lies l, rendering it unhealthy; but it r that evil will be provided. The and contain long rows of date- ntary old and have become very n June till October the thermom- cle, and is about 80° in winter nded by Mohammed Ali in 1823, ly a few fishing huts marked its mated at fifty thousand, but in the the country brought the number then, however, there has been a population has been about fifty isting chiefly of mean, mud-built odern dwellings, the most imposing of the governor, in which Gordon opulation is very small, but Khar- mission which was established by otestant missions were long con- Several European consulates are *blican.*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

311,872. Sash-Holder. — Norman Clark, Sterling, Ill.

311,891. Illuminating-Tile for Sidewalks, Roofing, etc.—Charles F. Furman, New York, N.Y.

311,892. Wrench. — John Gibbons, West Troy, N. Y.

311,895. Manufacture of Hydraulic Cement. —David Griffiths, Egypt, Pa.

311,911. Combined Drawing-Square and Miter. —John Müller, Kansas City, Mo.

311,929. Weather-Strip. — Theophilus Weaver, Harrisburg, Pa.

311,938. Paper for Roofing Felt, etc.—Charles W. Armour, Summit, N. J.

311,939. Paper for Sheathing, etc. — Charles W. Armour, Summit, N. J.

311,982. Water-Closet Apparatus Handle. — Joseph H. Hawley, Danbury, Conn.

311,992. Lock.—Andreas Kohlhof, New York, N.Y.

312,003. Fireplace Heater. — Gardner L. Morrison, Brooklyn, N. Y.

312,005. Window.—James W. Naughton, Brooklyn, N. Y.

312,012. File-Holder.—William H. Phelps, Stamford, Conn.

312,023. Combined Sash-Fastener and Lift. — Frederick W. Seymour, Newark, O.

312,024. Transom-Lifter. — John H. Shaw, New Haven, Conn.

312,025. Sash-Cord Guide. — David Shealy, Bucyrus, O.

312,051. Window-Blind Slat. — Henry E. Willer, Milwaukee, Wis.

312,052. Window-Frame. — Henry E. Willer, Milwaukee, Wis.

312,053. Window-Shutter.—Henry E. Willer, Milwaukee, Wis.

312,057. Composition for the Manufacture of Artificial Stone.—James L. Wray, Watseka, Ill.

312,076. Automatic Fire-Escape. — Frank A. Bone, Lebanon, O.

312,077. Water-Cock.—Philip A. Bowen, Milwaukee, Wis.

312,120. Cut-off for Cisterns.—John S. Heaton, Shelbyville, Ky.

312,127. Door-Check. — Thomas M. Kenney, Cambridge, Mass.

312,143. Fire-Front. — Patrick McCauley, Braddock, Pa.

312,175. Perspective Delineator for Draughting.—William E. Spier, Augusta, Ga.

312,177. Ventilator.—John M. Ayer, Chicago, Ill.

312,222. Illuminating - Tiling. — Christian H. Ross, Chicago, Ill.

312,224. Transom-Operator. — Sutton Strong, Harmony, Ind.

312,229. Plane.— William Tidgewell, Middletown, Conn.

SUMMARY OF THE WEEK.

Baltimore.

Building Permits. — Since our last report ten permits have been granted, the more important of which are the following: —

A. Beckenheimer & Bro., three-st'y brick building, n s Stiles St., e of High St.

D. Gotto, three-st'y brick building, w s East St., n of Baltimore St.

Boston Fear, 6 three-st'y brick buildings, w s Mount St., s of Edmonson Ave.; and 6 two-st'y brick buildings, s s Calso Alley, w of Mount St. and s of Edmonson Ave.

Boston.

Public Buildings.—The annual report of the Superintendent of Public Buildings states that: —

The public buildings in charge of this department belonging to the City of Boston, number 322, together with 11 leased buildings, variously occupied for city purposes. The City Hall is occupied entirely by the various departments and offices of the city. The Fire Department requires for its service the use of 58 buildings. The buildings in use by the Police Department number 18, 14 of which are in use for police-station houses, and the remainder for lock-ups. Public Library accommodations are paid for by this department for buildings hired in South Boston and Roxbury. The above-mentioned buildings occupy 1,284,919 square feet of land, and their assessed value is $7,800,000. The school-houses owned by the city number 168, occupying 2,923,922 square feet of land, the valuation of land and buildings being $8,690,000.

In addition 14 buildings are leased for school purposes at an annual rental of $5,520, and containing 23 school rooms. The expenditures for repairs, alterations, improvements, heating, furnishing, care and cleaning, have been as follows: public buildings, $147,859.90; labor and material in the removal of the Beacon Hill reservoir, $13,670.87; county buildings, $42,629.19; school-houses, $193,263.94.

Building Permits. — *Wood.* — *Sargent St., No.* 27, dwell., 22′ x 30′; A. P. Clifford, owner and builder.

Sargent St., No. 21, dwell., 22′ x 30′; A. B. Clifford, owner and builder.

Orchard Pl., near Boston St., dwell., 23′ x 30′; Susan Eadie, owner; William Eadie, builder.

Parker St., No. 729, dwell., 30′ 6″ x 35′; Jacob Goldsmith, owner.

Parker St., No. 731, dwell., 25′ x 40′ 6″; Jacob Goldsmith, owner.

Zeigler St., No. 111, dwell., 21′ x 58′; J. H. Waite owner; William Morse, builder.

New Seaver St., No. 30, dwell., 29′ x 31′; A. M. Leonard, owner; C. H. Wetmore, builder.

Erie Ave., cor. New Seaver St., dwell., 27′ x 38′; A. M. Leonard, owner; C. H. Wetmore, builder.

Erie Ave., near New Seaver St., dwell., 29′ 9″ x 40′; A. M. Leonard, owner; C. H. Wetmore, builder.

Atherton St., near Washington St., dwell., 21′ x 52′; F. W. Kittredge, owner.

Brooklyn.

Building Permits.—*Van Buren St.*, n s, 100′ w Stuyvesant Ave., three-st'y brick building, m'f'g purposes, gravel roofs; cost, $5,000; owners, Wm. Nagle and R. W. Homan, 217 Hooper St. and 91 Stuyvesant Ave.; architect and carpenter, Wm. H. Doughty; masons, James Ashfield & Son.

Graham Ave., No. 426, e s, 100′ n Withers St., four-st'y frame (brick-filled) store and tenement, tin roof; owner, Augustus Weingardt, 428 Graham Ave.; architect, Th. Engelhardt; builder, Andrew J. Hulse.

Steuben St., e s, 85′ s De Kalb Ave., 10 four-st'y brown-stone flats, tin roofs; cost, abt. $12,000 each; owner, Thomas H. Brush, cor. Fourth St. and Flatbush Ave.; architect, Fred. E. Lockwood.

Halsey St., s s, 115′ e Sumner Ave., 12 two-st'y brick dwells., felt, cement and gravel roof, wooden cornice; cost, $3,500 each; owner, George R. Waldron, 529 Halsey St., architect, Amzi Hill.

Cedar St., No. 52, s s, 193′ e Evergreen Ave., three-st'y frame flat, tin roof; cost, $3,000; owners, C. & G. Spoeri; architect, Th. Engelhardt.

Powers St., No. 259, n s, 125′ e Judge St., three-st'y frame tenement, tin roof; cost, $4,000; owner and architect, Herman Meydrott, on premises; builders, C. Buchheit and D. Kreuder.

Fulton St., s w cor. Boerum St., two-st'y and attic oolitic stone hall of records, tin roof; cost, $275,000; owner, Kings County; architect, W. A. Mundell; builders, P. J. Carlin and L. W. Seaman, Jr.

Somers St., n e cor. Rockaway Ave., 14, cor. three-st'y, others two-st'y, brick store and dwell., balance dwells., felt and gravel roofs; cost, cor., $4,000; others, $2,000 each; owner, George R. Brown, 34 South Portland Ave., builder, L. E. Brown.

Marion St., s e cor. Hopkinson Ave., 6, 3 two-st'y and 3 three-st'y frame dwells.; cost, abt. $2,000 and $3,000 each; owner, Geo. W. Lung, 20 Utica Ave.; architect, Chas. E. Hebbard.

Bergen St., Nos. 51 *and* 53, three-st'y brick carriage repository, tin roof; cost, $6,000; owners, Messrs. Linn Bros., 47 and 49 Bergen St.; architect, C. F. Eisenach; builders, T. J. Nash and I. B. Jacobs.

Palmetto St., n s, 125′ w Knickerbocker Ave.; 3 two-st'y frame dwells., tin roofs; cost, total, $6,000; owner, F. C. Feldmann, 20 John St., New York; architect and builder, R. Ferguson.

Magnolia St., s s, 300′ e Knickerbocker Ave., three-st'y frame store and tenement; cost, $4,200; owner and architect, Charles Kretschmar, 310 Franklin Ave.; builder, E. Hendrickson.

Alterations. — *Bridge St.*, e s, 200′ n Myrtle Ave., repair damage by fire; cost, $3,000; owner, Trustees of E. M. Church; builder, T. A. Remsen.

Chicago.

The Old City Hall.— The City Council has decided to lease the old city-hall property to Henry S. Everhart, for a period of ninety-nine years. He agrees to pay $30,000 a year for it, and to erect on the lot a building to cost $500,000 or more. Everhart is to take possession of the property March 1, 1885. It is also provided that there shall be a re-valuation each twenty years, and upon such re-valuation the annual rent shall be based at the rate of six per cent provided that such re-valuation shall not be a less sum than shall yield to the city an annual rental for the premises of not less than $30,000.

Building Permits.—S. H. Wheeler, 10 two-st'y stores and dwells., 1333-1351 West Lake St.; cost, $18,000.

J. L. Campbell, 24 two-st'y dwells., Western Ave.; cost, $72,000; architects, Edbrooke & Burnham.

C. Braubigam, three-st'y dwell., 253 West Huron St.; cost, $4,300; architect, H. Kley.

S. Taylor, 2 two-st'y flats, 207-209 North Oakley St.; cost, $5,000; architect, G. C. Garnsby; builder, Chas. Holman.

H. W. Martin, 5 three-st'y flats, 1701-1711 Dearborn St.; cost, $11,000.

New York.

The Inspector of Buildings. — The appointment of Mr. Albert F. D'Oench as Inspector of Buildings will result in the issue of a number of permits to build. There is a large accumulation of applications.

The Building Bureau. — Inspector William P. Esterbrook, of the Bureau of Buildings, has presented his report for last year to the Fire Commissioners. It shows that during the year plans were filed for the erection of 2,912 buildings, of which 1,013 were for tenements and 182 flats. There were only four private dwellings, at a cost exceeding $50,000 apiece. The total estimated cost for all buildings was $41,461,208.

There were filed plans for 2,463 alterations, at a total estimated cost of $4,659,532. The Bureau investigated 2,073 complaints, and dealt with 7,851 violations of the building law. In 5,163 of these cases the defects were remedied without carrying the matter to the courts.

In the last sixteen years plans were filed for the erection of 34,907 buildings, at a total cost of $509,961,484.

Apartment-Houses. — On the s w cor. of Fifth Ave. and Thirty-fifth St., a co-operative apartment-house, 85′ 9″ x 146′, is to be built at a cost of about $600,000, from designs of Mr. Chas. C. Haight.

On the n s of Fifty-seventh St., between Eighth and Ninth Aves., a seven-st'y apartment-house, 50′ x 90′, of brick, stone and terra-cotta, is to be built by Mr. Philip Braender, from plans of Mr. John Brandt.

Houses. — On the n s of Seventy-third St., w of Park Ave., Mr. John Prague, the architect, will have erected for his own account 5 four-st'y and basement dwells., 17′ 7″ x 80′ each, brick, stone and terra-cotta fronts; cost, about $100,000.

Store. — At No. 478 Pearl Street, Mr. Thos. R. Jackson, the architect, will have built a six-st'y and basement store-building, of brick and stone, adjoining his structure erected last year.

Office and Store Building. — Messrs. Ottmann, Keppler & Schwarzmann have now decided to build the *Puck* Building on the s w cor. of Houston and Mulberry Sts.; the fronts will be of brick, stone and iron, and the cost of the structure about $200,000; Mr. Albert Wagner is the architect.

Building Permits. — *One Hundred and Forty-fifth St.*, n s, 173′ e Third Ave., two-st'y brick dwell., tin roof; cost, $3,000; owner, Geo. J. Ord, 606 East One Hundred and Forty-fifth St.; architect, John Rogers.

Alexander Ave., s e cor. One Hundred and Thirty-seventh St., 7 three-st'y brick dwells., tin roofs; cost, each, $6,000; owner, Frank G. Swartout, 353 East One Hundred and Twenty-fourth St.; architect, Wm. J. Merritt.

Ave. A, e s, 75′ n Eighty-fourth St., 3 five-st'y brick tenements and stores, tin roofs; cost, each, $13,500; owner, Frank White, 2425 First Ave.; architect, John Brandt.

Fulton St., No. 242, five-st'y brick tenement and store, tin roof; cost, $16,000; owner, Henry Lemmermann, Brooklyn; architects, A. Pfund & Son.

One Hundred and Fiftieth St., n s, 100′ w North Third Ave., 2 frame tenements, tin roofs; cost, front, $4,800 and rear $2,000; owner, Louis L. Zugner, 633 North Third Ave.; architect, A. Arctander.

West Fifty-first St., No. 529, five-st'y brick and stone tenement, tin roof; cost, $14,000; owner, Henrik G. Folkman, 798 Tenth Ave.; architect, J. W. Cole; builder, J. Jordan.

St. Mark's Pl., No. 11, five-st'y brick tenement, tin roof; cost, $18,000; owner, John Kreusser, 1258 Lexington Ave.; architect, J. Kastner.

Eighty-fifth St., s s, 235′ 6″ e Fourth Ave., six-st'y brick flat, tin roof; cost, $35,000; owner, Philip Braender, Ave. B, between Eighty-fourth and Eighty-fifth Sts.; architect, John Brandt.

One Hundred and Fifty-second St., s s, 175′ w Courtland Ave., two-st'y frame dwell., tin roof; cost, $3,400; owner, Ferdinand Geyer, 601 Courtland Ave.; architect, Adolph Pfeiffer.

One Hundred and Fifty-second St., s s, 200′ w Courtland Ave., two-st'y frame dwell., tin roof; cost, $3,400; owner, Nicholas Jesbera, 562 East One Hundred and Fifty-first St.; architect, etc., same as last.

Willis Ave., w s, 25′ n One Hundred and Forty-fourth St., 4 four-st'y brick tenements, tin roofs; cost, $15,000 each; owner, Patrick Nolan, 954 East One Hundred and Thirty-eighth St.; architect, Chas. Baxter.

Third Ave., w s, 70′ 8″ n One Hundred and Second St., 3 four-st'y brick tenements and stores, tin roofs; cost, each, $8,500; owner, John J. Worden, 6 West Third St.; architects, D. & J. Jardine.

Lexington Ave., No. 1884, four-st'y brick tenement, tin roof; cost, $10,000; owner, John Bannon, 74 East One Hundred and Twenty-first St.; architect, Alfred Chamberlain.

Seventy-sixth St., s s, 150′ w Ave. A, five-st'y brick tenement, tin roof; cost, $15,000; owners, Jos. and Thomas Farrell, 35 Sutton Pl.; architects, A. B. Ogden & Son.

West Twenty-first St., Nos. 513, 515 *and* 517, three-st'y brick workshop, tin roof; cost, $3,500; owners and builders, Ellin & Kitson, 519 West Twenty-first St.

Greenwich St., No. 364, five-st'y brick tenement and store, tin roof; cost, $15,000; owner, Michael Duff, 127 West One Hundred and Twenty-third St.; architects, Babcock & McAvoy.

Third Ave., w s, 49′ 5″ n Twenty-sixth St., five-st'y brick tenement and store, tin roof; owner, L. Lese, 398 Third Ave.; architect, John G. Prague.

Monroe St., No. 168, five-st'y and basement brick tenement and store, tin roof; cost, $16,000; owner and builder, John Totten, 240 West Forty-ninth St.; architect, M. Louis Ungrich.

One Hundred and Fifty-fifth St., s s, 600′ w Eighth Ave., one-st'y frame, concert platform, tin roof; cost, $5,000; owners, Schlund & Reubert, on premises; architect, J. Kastner.

One Hundred and Thirtieth St., s s, 300′ w Sixth Ave., 4 three-st'y and basement brown-stone front dwells., tin roofs; cost, two each, $15,000 and two each, $12,000; owner and builder, S. J. Wright, 201 West One Hundred and Thirtieth St.; architects, Cleverdon & Putzel.

One Hundred and Twenty-third St., n s, 100′ w Mt. Morris Ave., 4 three-st'y and basement brown-stone front dwells., tin roofs; cost, each, $13,000; owner, Anthony Smyth, 22 West One Hundred and Twenty-sixth St.; architects, Cleverdon & Putzel.

West Thirty-seventh St., Nos. 445, 447 *and* 449, 3 five-st'y brick tenements, tin roofs; cost, $13,000; owner, Adam Grasmuck, 443 West Thirty-seventh St.; architect, John M. Forster.

Alterations. — *West Thirteenth St., Nos.* 160 *and* 162, two-st'y brick extension, tin roofs; cost, $4,000; owner, John Gault, 71 Broadway; architects, D. & J. Jardine.

Fifth Ave., No. 385, one-st'y and basement brick extension, tin roof; also internal alterations; cost, $12,000; owner, Samuel S. Sands, 80 Fifth Ave.; architects, D. & J. Jardine.

Philadelphia.

Building Permits. — *Jasper St.*, n e cor. York St., three-st'y addition to dye-house, 18′ x 49′; Eldredge & Stewart, contractors.

Willow St., Nos. 704 *and* 706, 2 vaults, 16′ x 38′; L. Schaumberg & Co., owners.

Emery St., n of Bockins St., two-st'y dwell., 16′ x 26′; Amos Crosta, owner.

Walnut St., No. 425, three-st'y addition to building, 21′ x 50′; Samuel Hart, contractor.

AS ILLUSTRATED IN UNENLIGHTENED
e the Cortlandt Street or Desbrosses
y in order to see how slight a motive
selfishness" is. There is the Penn-
offices and ferry-houses were burned
last, with a loss of some $200,000, re-
t of the vast structure, which roofs
of brick or other fire-resisting mate-
office uses, and there is wood enough
shabby overcoat, or linen duster, as
at is the only pretense that is made
tion of fire-proofing. The company
so far as the building itself, or the
e insurance companies can afford to
the mode of putting it together with
s respects the jeopardy to neighbor-
long line of warehouses and vessels,
value of millions of dollars are in-
railroad company will have the build-
extinguishing apparatus and a well-
t in August last these did not avail
n. The fire then luckily happened
succession of heavy rains. Had it
le of wind blowing, the limit of the
n reached with an exhaustion of ma-
had building along the Jersey City
now of any good building there—
ompany is only chargeable with its
tock of combustibles, but it was nat-
such a wealthy corporation would
tional expense requisite for making
fire-proof. Naturally, do we say?
rience shows that it is not natural for
vever wealthy, to build so as not to
scared sometimes by the fire peril,
egislate how others shall build, but
whenever they can, dodge the law
ightened self-interest," much as it
not suffice as an inducement for the
be done in this matter of architect-
n will serve. Over in Jersey City
w of any account, or if there is one,
So it happens that a great corpora-
and rich enough to do better, has for
n a mass of kindling-wood to feed,
ication, which, at some time in the
ront of Jersey City and bankrupt a
—*Insurance.*

An in[illegible]ting experiment on the
now going on at Philadelphia under
, chief engineer to the Water De-
is based on the discovery of Dr.
the action of air in purifying water
air and water under pressure. The
he absorption of oxygen, and conse-
of impurities. At Philadelphia, in
practical scale, a Fairmount turbine
ump which delivered 20 per cent by
ain, this being the proportion found
ts to surcharge the water. Analy-
e oxygen in the aërated water was
ation, while the quantity of carbonic
at of the total dissolved gases was
e of free ammonia was diminished
The percentage of free oxygen rep-
e what was required to effect the
These results are very favorable,
ity of reducing the percentage of or-
ndnly contaminated with sewage by

e Paul Demidoff, whose name has
rough the scattering of all the mar-
gathered at San Donato, near Flor-
man of enormous fortune, a prin-
s of Russia, and as great a roué as
empire his escapades were the talk
gainst one of his wealthy country-
n Nero, for which purpose he made
el fight before him. Then he mar-
ed. Fearing that people might not
all sorts of melodramatic tricks to
sses about his room, and wandered
ts. He sold his valuable collection
old palace with them. Since then
en, which is housed in a villa at Pra-
rial Advertiser.

CHARCOAL-BURNING.—The vast quantity of
s, producing 50 tons of charcoal per
utilized: Large tubes over the pits,
, convey the smoke and gases to a
ipe, from which, after passing the
of pyroligneous acid. Each cord of
f smoke (!) and, from 100 cords per
pounds acetate of lime, 200 gallons
the gas used under the boilers. Thus
wood per annum, is a source of profit
field Republican.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

312,251. SASH-FASTENER. — Francis M. Case, Denver, Col.

312,262. DEVICE FOR RAISING AND LOWERING WINDOW-SASHES. — Henry Eitel and James E. Hunt, San Francisco, Cal.

312,266. ROD PLUMBING-LEVEL.—William Gurley, Troy, N. Y.

312,268. FASTENING FOR MEETING-RAILS OF SASHES.—James C. Hibbs, Brownsville, Mo.

312,269. ILLUMINATED TILE. — Eben N. Higley Great Falls, N. H.

312,276. AUTOMATIC ELEVATOR-GATE. — Robert Lade, Holyoke, Mass.

312,281. FILTER.—Jules Mallie, Paris, France.

312,284. FIRE-PROOF PARTITION AND CEILING.—Charles Mettam, Bayonne, N. J.

312,290. WINDOW-GLASS. — James G. Pennychuck, New York, N. Y.

312,294. DOOR-HANGER. — Edward T. Prindle, Aurora, Ill.

312,300. COMBINED SHUTTER-WORKER AND SLAT-OPERATOR.—Thomas H. Smith, Auburn, N. Y.

312,305. BUILDING-BLOCK.—Solomon T. Trumbull, Gloucester, Mass.

312,315. SASH-HOLDER. — Fred Aurand and Freeman H. Sherer, Youngstown, Ohio.

312,349. CAST-IRON COLUMN. — P. Henry Griffin, Detroit, Mich.

312,350. COMBINED BORING AND REAMING TOOL. —William E. Hill, Kalamazoo, Mich.

312,356. ARTIFICIAL STONE.—John D. King, Fairbury, Neb.

312,357. CAR-DOOR FASTENING. — Jacob Pinzer, Pittsburgh, Pa.

312,374. DOOR OR WINDOW SCREEN. — Obadiah G. Newton, Trenton, Mo.

312,375. WALL OF BUILDINGS AND OTHER STRUCTURES.—W. H. Orr, Carlisle, Ind.

312,415. PORTABLE FIRE - ESCAPE. — Hermann Wettstein, Harvard, Ill.

312,419. ADJUSTABLE CLAMPING DEVICE. — Geo. W. Zeigler, Washington, D. C.

312,423. STEAM-HOIST. — Camille Bezançon, New York, N. Y.

312,426. DOOR-SECURER. — Edward A. Bullock, Du Bois, Pa.

312,433. GLUING-TABLE.—Jas. H. Clemons, Dolgeville, and Joseph W. Bower, Stratford, N. Y.

312,444. SHINGLE-PLANING MACHINE.—Thomas S. Disston, Philadelphia, Pa.

312,451. MANUFACTURE OF TARRED PAPER. — Michael Ehret, Jr., Philadelphia, Pa.

312,460. STAPLE. — Jonathan Haight, Pittsfield, Mass.

312,464. METHOD OF CONSTRUCTING HOLLOW BRICK WALLS.—Henry Harwood, Warren, O.

312,526. FLOOR-CLAMP. — Thomas A. Southwick, Brockton, Mass.

312,535. DRAWING-BOARD. — Frederick Weber, Philadelphia, Pa.

312,548. LEVEL.—John W. Atkinson, Benton, Ark.

312,549. FIRE-PROOF SHUTTER. — Charles F. Brigham, Boston, Mass.

312,553. CHIMNEY-COWL.—William E. Cooper, Dunkirk, N. Y.

312,573. DOOR-LATCH.—Thomas J. Morgan, Hyde Park, Ill.

312,752. PILE-DRIVER.—Jos. W. Putnam, New Orleans, La.

312,565. SKY-LIGHT.—John Seton and William Conolly, Brooklyn, N. Y.

SUMMARY OF THE WEEK.

Baltimore.

DWELLING.—Jno. J. Weissner, Esq., is to have a three-st'y brick and stone dwell., 43' x 75', on Belair Ave., and to cost $12,000, from designs by Geo. A. Frederick, architect; Fred'k Becker, builder.

COTTAGE.—Geo. A. Frederick, architect, is preparing drawings for Philip Sinz, Esq., for a two-st'y frame cottage, 32' x 45', to be erected on the Harford Road, and to cost $3,000.

TOWER AND SPIRE. — Geo. A. Frederick, architect, is preparing plans for a tower and spire for St. James Church, cor. Eager and Aisquith Sts., 24' square, and 230' high, to be built of brick and Kentucky freestone, and to cost $30,000; J. M. Getz, carpenter.

OUT-BUILDINGS. — Miss Helen Whitridge is to have built brick and frame out-buildings, adjoining Druid Hill Park, to cost $5,000; from designs by Geo. A. Frederick, architect.

MARINE HOSPITAL.—Geo. A. Frederick, architect, is preparing plans for the United States Marine Hospital, to be built on Remington Ave., near Huntingdon Ave., which will be completed and forwarded to the Department at Washington, and advertisements for proposals published by the time of our next issue.

BUILDING PERMITS.—Since our last report seven permits have been granted, the more important of which are the following:—

J. C. Parker, 3 two-st'y brick buildings, n s alley, n of Lafayette Ave., and w of Mound St.

Sam'l Richmond, 2 two-st'y brick buildings, s s Hoffman St., rear s e cor. Hoffman and Harford Aves.

P. Reddington, 3 three-st'y brick buildings, w s Aisquith St., s of Hoffmann St.

Chesapeake M'f'g Co., one-st'y brick building 50' x 100', s s Federal St. bet. North St. and Falls Alley.

Brooklyn.

BUILDING PERMITS. — *Fulton St.*, n w cor. Bedford Ave., two-st'y brick store, tin roof; cost, $18,000; owner, Archibald Scott, 216 Adelphi St.; architect, A. Hill; builders, A. Rutan and Long & Barnes.

Varet St., n s, 58' e Graham Ave., 2 two and three st'y frame tenements (brick-filled), one with stable, tin roof; cost, $3,000; owner, Fred Luhrsen, 64 Graham Ave.; architect, H. Vollweiler.

Hull St., n s, 300' e Stone Ave., 2 three-st'y frame dwells., tin roofs; cost, $3,000; owner, J. Dornsife, Hull St., near Stone Ave.; architect, J. Rogers.

Madison St., n s, 200' e Patchen Ave., 5 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $3,000; owner and builder, Daniel Lauer, 1534 Fulton St.; architect, A. Hill.

Madison St., s s, 20' w Howard Ave., 2 three-st'y frame (brick filled) tenements, tin roofs; cost, each, $3,700; owners, Gaynor & Mehler, 464 Park Ave.; architect, S. Harbison; builders, G. Straub and A. Schuman.

Thirty-ninth St., n s, 180' w Fourth Ave., three-st'y brick dwell., tin roof, wooden cornice; cost, about $3,500; owner, Ann Abraham, 139 Thirty-ninth St.; builder, J. J. Abraham.

Reid Ave., n w cor. Pulaski St., three-st'y brick store and flat, tin roof; cost, $7,800; owner, L. Bredehoft, Broadway, cor. Lawton St.; architect, F. Holmberg; builders, E. Loerch and J. Rueger.

Boerum St., n s, 125' w Bushwick Ave., four-st'y frame tenement, tin roof; cost, $6,000; owner, Mrs. S. Diercks, Boerum St.; architect, Th. Engelhardt.

Stagg St., No. 223, n s, 175' w Bushwick Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,000; owner, Rudolph Brand, on premises; architect, Th. Engelhardt.

Dunyea St., s s, 225' e Broadway, two-st'y frame (brick-filled) dwell., tin roof; cost, $4,000; owner, Claude Lorrane, 1157 Broadway; architect, Th. Engelhardt.

Middleton St., s s, 105' e Marcy Ave., 5 three-st'y frame (brick-filled) dwells., tin roofs; cost, each, $4,500; owner, F. Mosetter, 122-126 Harrison Ave.; architect, Th. Engelhardt.

Gwinnett St., n s, 85' e Marcy Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $3,800; owner, etc., the same as last.

Middleton St., n s, 140' w Harrison Ave., 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $5,000; owner, etc., same as last.

Elm St., n s, 265' w Evergreen Ave., three-st'y brick tenement, tin roof; cost, $4,600; owner and builder, John Hagan, 69 Elm St.; architect, John Herr.

Scholes St., No. 103, n s, 155' w Ewen St., three-st'y frame store and tenement (brick-filled), tin roof; cost, $3,000; owner, Louis Goetting, 105 Scholes St.; architect, Th. Engelhardt.

Quincy St., s s, about 200' e Reid Ave., 5 two-st'y brown-stone dwells., tin roofs, wooden cornices; cost, each, $5,000; owner and builder, P. Concannon, Summer Ave. and Van Buren St.; architect, J. D. Reynolds.

Twelfth St., n s, 155' 4" e Seventh Ave., 3 three-st'y brick dwells., tin roofs; cost, each, $4,000; owner, J. Brown, 381 Eleventh St.; architect, J. D. Reynolds; builder, W. Brown.

Gwinnett St., n s, 184' e Harrison Ave., 2 three-st'y frame (brick-filled) tenements, and 224' e of Harrison Ave., 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $4,500; owner and builder, Jacob Bossert, 233 Lynch St.; architect, Jno. Platte.

Gwinnett St., n s, 234' e Harrison Ave., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $4,200; owner and builder, Jacob Bossert; architect, Jno. Platte.

Buffalo.

Mr. R. A. Bethune, architect, has in hand the following buildings:—

FACTORY. — Factory-building on Lake View Ave., for H. T. Koerner: cost, $22,000.

HOUSES. — *Summer St.*, house, for Spencer Kellogg: cost, $15,000.

Prospect Ave., semi-detached house, for E. Webster & Son: cost, $18,000.

Prospect St., semi-detached stable, for E. Webster & Son; cost, $5,000.

Main St., house for A. A. Hickman: cost, $5,000.

Dearborn St., house, for Dr. J. H. Potter; cost, $4,000.

Hodge Ave., house, for Mrs. E. Baldauf; cost, $4,500.

Prospect Ave., house, for G. N. Mitchell; cost, $3,500.

Hodge Ave., house, for Mrs. John Pierce; cost, $3,500.

Ashland Ave., house, for Mrs. Davidson; cost, $2,500.

Elmwood Ave., house, for Geo. L. Thorn; cost, $3,500.

SCHOOL-HOUSES.—Public School No. 8; cost, $50,000.
Public School No. 18; cost, $30,000.
Public School No. 21; cost, $10,000.
Police Station No. 11; cost, $15,000.

Chicago.

HOUSES. — P. W. Ruehl, architect, planned the two-st'y dwell., to be built on Ashland Ave. for A. Blettner, Anderson pressed brick, red sandstone trimmings.

Same architect has completed drawings for two-st'y stone front house on Harrison St., for M. Chauski.

STORE.—P. W. Ruehl, architect, planned the stone-front store-building on West Twelfth St., for J. J. Phelan.

BUILDING PERMITS. — Thomas Brown, 2 two-st'y flats, 3221-23 Calumet Ave.; cost, $8,000; architect, J. H. Huber; builder, N. Hoeft.

Dale & Hart, six-st'y factory, 43-45 Fourth Ave.; cost, $45,000; architect, J. M. Van Osdel & Co.; builder, J. Linguist.

New York.

BREWERY.— A five-st'y and basement brick brewery, 25' 9" x 87', is to be built on the e s of Ave. A, between Fifty-sixth and Fifty-seventh Sts., at a cost of about $20,000, from designs of Mr. A. Pfund.

HOTEL. — On the s w cor. of Forty-second St. and Fourth Ave., a four-st'y hotel, from designs of Mr. Wm. Kuhles.

INSURANCE BUILDING. — The N. Y. Equitable Life Insurance Company, of 118 to 124 Broadway, have appointed Mr. Geo. B. Post architect for the proposed extension to their building.

APARTMENT-HOUSES. — Sixteen five-st'y brown-stone flats, 25' x 67', are to be erected at a cost of $300,000, for Messrs. Moore & McLaughlin, from plans of Messrs. Thorn & Wilson.

At One Hundred and Twenty-fifth Ave., Ninth Ave. and Manhattan St., an apartment-house is to be built for Mr. Jared W. Bell, from plans of Thayer & Robinson.

BUILDING PERMITS. — *Fulton Ave.*, e s, 201' s One Hundred and Sixty-eighth St., three-st'y frame tenement, tin roof; cost, $8,000; owner, Mrs. Sarah J. Miller, 2155 Second Ave.; architects, Ebeling & Heinicke.

West Seventeenth St., Nos. 142 *to* 152, 6 five-st'y brick tenements and stores, tin roofs; cost, total, $120,000; owner, Rudolph Bohm, 270 Grand St.; architect, Wm. Graul; builder, John Goerlitz.

Seventy-first St., s s, 213' e First Ave., five-st'y brick tenement, tin roof; cost, $16,000; owners, Julius Landauer, 337 East Fiftieth St., and Maurice Kahn, 238 East Forty-eighth St.; architect, F. S. Barus.

One Hundred and Seventh St., s s, commencing cor. Fourth Ave., running east, 9 four-st'y Connecticut brown-stone tenements, tin roofs; cost, each, $12,000; owner, Wm. F. McEntee, 224 East One Hundred and Fifth St.; architect, F. T. Camp.

West Thirty-first St., Nos. 209 *and* 311, 2 five-st'y brick tenements, tin roofs; cost, each, $15,000; owner, Geo. W. Bond, 584 Lexington Ave.; architect, M. C. Merritt

Columbia St., No. 28, five-st'y brick tenement, tin roof; cost, $15,000; owner, B. Rosenstock, 191 First Ave.; architect, E. W. Greis.

Willett St., Nos. 89 *and* 91, 2 five-st'y brick tenements and stores, tin roofs; cost, each, $15,000; owner, Thomas Rothmann, 21 Clinton St.; architect, Julius Boekel.

West Sixteenth St., Nos. 226 *and* 228, 2 five-st'y brown-stone front tenements, tin roofs; cost, each, $18,000; owners, McAuliffe & Gabay; architects, A. B. Ogden & Son.

Forty-second St., s s, 155' w Second Ave., two-st'y brick stable, gravel roof; cost, $5,000; owners, Jos. and Robert Gordon, Second Ave. and Thirty-ninth St.; architect, Albert Wagner.

Fifty-first St., s s, 75' w Fourth Ave., 3 five-st'y brick flats, tin roofs; cost, each, $28,000; owners and builders, P. & J. F. McManus, 161 East Fifty-seventh St.; architect, J. H. Valentine.

Fourth Ave., n e cor. Eighty-seventh St., five-st'y brick tenement and store, tin roof; cost, $22,000; owners and builders, Clark & Nason, 305 East Eighty-first St.; architect, G. A. Schellenger.

Fourth Ave., e s, 25' 8" n Eighty-seventh St., 3 five-st'y brick tenements, tin roofs; cost, each, $20,000; owners and builders, Clark & Nason, 305 East Eighty-first St.; architect, G. A. Schellenger.

Essex St., No. 39, six-st'y brick tenement and store, tin roof; cost, $22,000; owner, Bertha Solomon, 2 Baxter St.; architect, Wm. Graul.

Seventy-eighth St., n s, 100' e Second Ave., five-st'y brick tenement, tin roof; cost, $15,000; owner, Edward Ward, 228 East Fifth St.; architect, J. Kastner.

Robbins Ave., n w cor. One Hundred and Forty-ninth St., three-st'y frame dwell., tin roof; cost, $3,000; owner, Wm. Miller, on premises; architect, A. Aretander.

Vanderbilt Ave., e s, 150' n One Hundred and Seventy-first St., 3 two-st'y frame dwells., tin roofs; cost, each, $2,000; owner, Susan M. Jones, Huntington, N. Y.; architect and builder, John Knox.

ALTERATIONS.—*Pearl St., No.* 480, six-st'y brick extension on side, tin roof; cost, $10,000; owner and architect, Thos. R. Jackson, 61 Broadway.

Kingsbridge Road, near One Hundred and Seventy-fifth St., repair damage by fire; cost, $4,500; owner, Isaac P. Martin, Ft. Washington; builder, Elward Smith.

Third Ave., s w cor. One Hundred and Fifty-fourth St., raise three stories, new store front, iron posts and columns; cost, $3,000; owner, Pauline D. Walker, 8 West Thirty-sixth St.

East Broadway, No. 65, front and interior alterations; cost, $3,500; owner, Bertha Solomon, 2 Baxter St.; architect, W. Graul.

Attorney St., No. 28, three-st'y brick extension to pastor's residence, tin roof; also remove gallery in church and put in large window, etc.; cost, $8,000; owner, Church of St. Mary, Rev. Nicholas Hughes, pastor, 28 Attorney St.; architect, L. J. O'Connor.

West Forty-sixth St., No. 466, five-st'y brick extension, tin roof; cost, $6,000; owner, John Ritter, 115 Greenwich Ave.; architect, Wm. Graul.

East Eighth St., No. 135, repair damage by fire, and a one-st'y brick extension on front; cost, $3,400; owner, Lydia Fox, 3 East Fifty-fourth St.; builder, P. Roberts.

Philadelphia.

BUILDING PERMITS. — *Green Lane*, bet. Mitchell St. and Ridge Ave., two-st'y brick building, 14' x 30'; Howard Tomnh, contractor.

Cumberland St., bet. Amber and Coral Sts., one-st'y boiler and engine-house, 14' x 30'; Wm. C. Haddock, contractor.

St. Louis.

BUILDING PERMITS. — Seventeen permits have been issued since our last report, three of which are for

and the perfection of pigments will
t that tedious though this process
on the skill of an artist, the result is
cient specimens of this work, and
ng of the process. The glass plates
d upon the bed of what appears a
as used is very stiff, and the inking
ay by rollers, is repeated twice
rfect distribution. The sheets are
ng by power is performed at the
The presses are capable of printing
olor, and if smaller subjects are
on one plate. Ink and paper are of
ner, shades must never vary, since
would not be faithfully produced,
d sizing are, we understand, most
n be given any desirable texture by
umerous other specimens at the
orn, a reproduction of Mr. Alma
ch made him a member of the so-
d we were told by the secretary
eritie with the reproduction, that
. — *Engineering.*

ur vote for the best ten buildings
n on page 86, No. 478.]

ons occasions referred to the inge-
: Mr. Frederick Ransome, for the
rnace slag and lime. The discov-
Mr. Charles Wood, that slag run
lition falls into a fine granulated
tions to its utilization: the great
er by mechanical means. One of
cement is thus obtained ready for
product, its cost is nominal, the ex-
ng limited to handling. By his
ployed, chalk or lime, was ground
tion being then calcined and again
t possessing very high qualities,
and strength. Very recently, how-
me line of investigation, has im-
rocess, and he has found that the
mployed with results as good as
cially for the purpose. In order
ith the lime is saturated
lam sorts to a very simple
rtain portion of powdered coal
hen this is exposed to the heat of
the coal or coke converts the sul-
subsequently entirely got rid of by
which drives off the whole of the
hydrogen, leaving the lime quite
The recent improvements to which
tant modification is the use of a
of the slag and lime. It is found
thoroughly burnt in this manner,
f subdivision as when they were
harged will pass through a sieve
stly process of grinding, which is
of manufacture, is thus avoided,
f its useful characteristics in this
is equally applicable where fresh
material from gas-works, only in
the powdered coke or to apply the
neral terms to the strength of the
following table of comparative
and Ransome cement show clearly
y the latter; the samples in each
ere, giving a sectional area of two

ement.	Ransome Cement.
el.	Breaking Load.
	lb.
	740
	870
	1170
	1590
	1430
	1440

emselves, and indicate clearly that
aking advantages over Portland,
within a few days, which is higher
Very important advantages are
facture, and the suppression of the
urer, that of grinding. The plant
ives much less expense in mainte-
of a given quantity of cement than
manufacture. When in addition to
materials are employed, it will be
ent can be made for half the cost of
stance of Mr. Ransome's process will
.

ur vote for the best ten buildings
n on page 86, No. 478.]

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

312,610. WEATHER-STRIP.—Geo. W. Chinn, Bloomington, Mo.
312,616. ICE-ELEVATOR MECHANISM.—John R. Eccles, Waterford, N. Y.
312,658. SHEET-METAL ROOFING.—L. Lewis Sagendorph, Cincinnati, O.
312,669. DOOR-MORTISING MACHINE.—Frank W. Stevens, Lowell, Mass.
312,678. ATTACHMENT TO STOVES FOR HEATING AIR.—George A. Vaughan, Lockesburg, Ark.
312,683-685. FIRE-ESCAPE.—Herman Wettstein, Harvard, Ill.
312,685. WINDOW-SCREEN.—Marcellus L. Whitcomb, Muskegon, Mich.
312,687. WATER-CLOSET VALVE.—Peter White, St. Louis, Mo.
312,692. MACHINERY FOR OPENING AND CLOSING AUTOMATICALLY SAFETY-COVERS FOR ELEVATORS.—Alexander J. Blaikie, Rochester, N. Y.
312,782. ELEVATOR-HATCH.—Peter M. Wilson, Now York, N. Y.
312,781. MIXED PAINT.—John B. Wood, Brooklyn, N. Y.
312,793. FIRE-ESCAPE LADDER.—Joseph Barnett, New York, N. Y.
312,819. LOCK.—Edward J. Colby, Cincinnati, O.
312,827. LOCK.—Thomas Donahue, James Roche, Willard T. Goodwin and William W. Cone, Terryville, Conn.
312,872. ATTACHMENT FOR WATER-SUPPLY COCKS.—Henry S. Lord, Hartford, Conn.
312,874. FIRE-ESCAPE.—Zacharias Ludwig, Oakland, Cal.
312,882. WATER-HAMMER PREVENTIVE.—Ferdinand L. Mentel, Cincinnati, O.
312,897. CONCRETE PAVEMENT.—Christian F. Rapp, Cincinnati, O.
312,899. FIRE-EXTINGUISHING APPARATUS.—William A. Reid, St. Louis, Mo.
312,903. VENTILATOR.—La Fayette Schanck, Rochester, N. Y.
312,908-910. FIRE-ESCAPE.—Frederick Schickle, St. Louis, Mo.
312,916-917. REVERSIBLE LATCH.—William E. Sparks, New Haven, Conn.
312,918. CHIMNEY-CAP.—Theodore J. Steen, Oakland, Neb.
312,929. REAMER.—George R. Stetson, New Bedford, Mass.
312,941. HYDRAULIC-LIFT.—John S. Stevens and Charles G. Major, Battersea, County of Surrey, and Thomas W. Barber, Ulverstone, County of Lancaster, Eng.
312,926. COMBINED LOCK-LATCH AND HASP.—Hiram C. Stouffer, Cortland, O.
312,949. COMBINED SCREEN AND STORM-DOOR.—George F. Barber, De Kalb, Ill.
312,963. DOOR-HANGER.—John A. Carr, Walden, N. Y.
312,978. CHIMNEY-COWL.—Theodor Crüger, New York, N. Y.
312,979. EXTENSION-LADDER AND FIRE-ESCAPE.—John P. T. Davis, New Trenton, Ind.
313,000. TONGUING AND GROOVING MACHINE.—Frank B. Kearney, Grand Rapids, Mich.
313,021. FIRE-ESCAPE. George W. Putnam, Malden, Mass.

SUMMARY OF THE WEEK.

Baltimore.

APARTMENT-HOUSE.—Mrs. M. M. Hayes, of Boston, is to have a three-st'y and basement brick bachelor's apartment-house built on Centre St., near Charles St., to cost $10,000; from designs by J. A. & W. T. Wilson, architects.

ADDITION.—Messrs. J. A. & W. T. Wilson, architects, are preparing plans for Geo. L. Harrison, Esq., for a three-st'y brick addition, 25' x 50', at the cor. Eutaw Pl. and Lanvale St., to cost, $4,000.

DEPOT.—The Pennsylvania Railroad authorities are to erect a new passenger-station at Charles St. It will be three-st'y, with ornamental towers, 60' x 200', be of brick and Port Deposit granite, and cost $100,000.

BUILDING PERMITS.—Since our last report nine permits have been granted, the more important of which are the following:—

Mercantile Trust & Deposit Co., one-st'y and basement brick building, n e cor. German and Calvert Sts.

John Pursley, 3 three brick buildings, n s Biddle St., w of McKim St.

Chas. Caspari, Jr., three-st'y brick building, n w cor. Fremont and Baltimore Sts.

Jas. H. Rieman, three-st'y brick building, n s Biddle St., bet. Garden and Bolton Sts.

John F. Butzler, three-st'y brick building, n s Camden St., bet. Sharp and Hanover Sts.

John McGarvey, 3 three-st'y brick buildings, n s Preston St., w of Broadway.

Boston.

BUILDING PERMITS.—*Wood.—Milton St.*, near Whitemore St., mechanical building, 12' x 213'; owner, M. M. Zent; builder, Wm. A. Zent.

Milton Ave., No. 111, dwell., 21' x 29'; owner, M. H. Jackson; builder, M. H. Jackson.

East Fourth St., No. 634, carriage-house, 22' x 36'; owner, Edward Palley; builder, Eugene Sullivan.

Milton Ave., No. 104, dwell., 27' x 32'; owner, M. H. Jackson; builder, M. H. Jackson.

Magazine St., No. 31, dwell., 17' x 45'; owner, Benjamin Bean; builder, Benjamin Bean.

Magazine St., No. 36, dwell., 17' x 45'; owner, Benjamin Bean; builder, Benjamin Bean.

Norfolk Ave., near Magazine St., dwell., 19' 3" x 35'; owner, P. J. Drury; builders, Potton & McLaughlin.

Norfolk Ave., near Magazine St., dwell., 19' 3" x 35'; owner, P. J. Drury; builders, Potton & McLaughlin.

Unnamed Pl., off Jamaica St., dwell., 21' x 31'; owner, Michael Schanney; builder, Thomas Tobin.

Fuller St., near Capen St., dwell., 20' x 36'; owner, Mary Carroll; builder, Neil Carroll.

Park Pl., near Myrtle St., dwell., 22' x 32'; owner, Paul Lincoln; builder, M. D. Ayers.

Longwood Ave., No. 30, dwell., 24' x 50'; owner, Anton Volk; builder, Gottlieb Merl.

Lubec St., near Swift St., dwell., 20' x 30'; owner, Mary J. Roby; builder, Peter McCann.

Taylor St., near Water St., storage building, 31' x 91'; owner, A. T. Stevens Lumber Co.; builder, A. T. Stevens Lumber Co.

Dudley Ave., near Washington St., dwell., 22' x 30'; owner, Thomas Havey; builder, Thomas Havey.

Brooklyn.

BUILDING PERMITS.—*Sumpter St.*, s s, 200' e Saratoga Ave., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $3,800; owner, George Ullrich, 887 Tenth Ave., New York., architect and mason, Christian Baur; carpenter, Jacob Hertlin.

Wallabout St., No. 256, n s, near Marcy Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $1,000; owner, Chr. Reichert, 284 Wallabout St.; architect, H. Vollweiler.

Putnam Ave., s s, 90' e Tompkins Ave., 3 three-st'y brown-stone dwells., tin roof; cost, each, $6,500; owner and carpenter, Chas. Isbill, 593 Herkimer St.

Hancock St., n s, 30' e Bedford Ave., three-st'y brown-stone dwell., tin roof; cost, $7,000; owner and builder, S. E. C. Russell, Hancock St., near Bedford Ave.; architect, I. D. Reynolds.

Central Ave., s e cor. Himrod St., three-st'y frame (brick-filled store and tenement, tin roof; cost, $5,000; owner and architect, Jacob Essig, 92 Stanhope St.; builders, Wm. Maske and J. Rueger.

Graham Ave., No. 137, w s, 25' n Frost St., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $3,000; owner, Julia Grice, 137 Graham Ave.; architects and carpenters, Sammis & Bedford; masons, Doyle & Brazill.

Thirty-second St., n e cor. Third Ave., three-st'y frame store and tenement, tin roof; cost, $4,000; owner, John Morrison, 283 Twenty-second St.; architect, Francis Ryan; builder, Daniel Ryan.

South First St., s s, 100' w Third St., three-st'y brick tenement, tin roof; cost, $4,000; owner, Wm. Baker, 128 South Fifth St.; architect, E. F. Gaylor; builders, Wm. L. Langridge and Marinus & Gili.

Bedford Ave., n e cor. Hancock St., four-st'y brick store and flat, tin roof; cost, $11,000; owner and builder, S. E. C. Russell, Hancock St., near Bedford Ave.; architect, I. D. Reynolds.

Washington Ave., w s, 150' n Park Ave., 2 three-st'y brick stables and feed stores, felt and gravel roofs; cost, $11,000; owners, Haviland & Shotwell, 16 Fulton St.; architect and builder, Eli Osborn.

Chicago.

BUILDING PERMITS.—J. & J. F. Gubbins, two-st'y store and dwell., 180 Colorado Ave.; cost, $3,000; architect, C. Palmer.

S. E. Gross & Co., 12 cottages, 1330-1331 Monroe St.; cost, $30,600; architect, L. H. Hallberg.

J. Biehl, two-st'y dwell., 678 West Superior St.; cost, $3,000.

S. E. Gross & Co., 13 cottages, 409-437 Gross Park Ave.; cost, $18,200; builder, S. E. Gross.

S. E. Gross, 13 cottages, 410-438 Gross Park Ave.; cost, $18,200.

H. G. Peters, 2 two-st'y flats, 501-503 Hermitage Ave.; cost, $7,000, architect, H. Bessier.

V. Harboro, four-st'y store and flats, 545 West Madison St.; cost, $12,000; architects, Wm. Strippelman & Co.; builder, J. Comen.

Mrs. E. Smith, five-st'y factory, 28-30 Desplaines St.; cost, $12,000; architect, J. M. Van Osdel.

Geo. Wilson, two-st'y dwells., 290-292 Belden Ave.; cost, $10,000; architect, J. Otto; builder, C. Lind.

Miss C. T. Kerrgan, two-st'y flats, 545 Loomis St.; cost, $3,700.

F. Sammis, two-st'y dwell., 323-329 Twenty-fourth St.; cost, $4,500; architect, C. O. Hansen.

J. Schreyer, two-st'y flats, 121 Nineteenth St., cost, $3,200; architects, Furst & Rudolph.

Cincinnati.

CINCINNATI'S IDLE WORKMEN.—A careful estimate of the number of the unemployed men in this city in the skilled trades gives a total of 16,700. The figures are those of the different workingmen's organizations and of the Board of Trade and Associated Charities.

Among the workers in iron, one-fourth of the men are idle; in the building trades one-third of the men usually employed are idle; and in carriage and furniture factories nearly one-half are idle. Not included in this estimate are nearly 2,000 cigar-makers and upward of 1,000 tailors and poor women who sew on tailors' goods and clothing at their homes.

Of common laborers there are, of course, a large number out of work, and if all these and the members of trades not requiring much skill were included, it is estimated that the total number of men out of employment would reach 30,000.—*New York Times.*

MASONIC TEMPLE.—The Ohio Consistory of Scottish Rite Masons have begun a subscription to raise a sum sufficient to restore the temple in this city.

BUILDING PERMITS.—Repair Masonic Temple; cost, $40,000.

J. Magly, two-st'y brick dwell., Mt. Auburn; cost, $3,000.

J. Hovekamp, three-and-one-half-st'y brick dwell., cor. Clinton and Baymiller Sts.

Itto Kramer, two-st'y brick dwell., cor. Euclid and Moliter Ave.; cost, $6,000.

F. Ewald, three-st'y brick dwell., cor. Richmond and Fillmore Sts.; cost, $6,000.

Jno. Bacenhoff, three-st'y brick dwell., cor. Stone and Brum Sts.; cost, $5,000.

B. F. Mayburgh, three-st'y brick dwell., 142 Cutter St.; cost, $3,000.

Herwig, two-st'y brick dwell., 256 Betts St.; cost, $6,000.

Jno. Rendigs, two-st'y brick dwell., cor. Highland and Moliter Sts.; cost, $5,000.

J. Hoeffer, four-st'y brick dwell., cor. Liberty and Mansfield Sts.; cost, $5,000.

H. Wuest, four-st'y brick dwell.; cor. Race and Canal Sts.; cost, $7,000.

E. F. W. Frauzmier, three-st'y brick dwell., McMillan St.; cost, $2,500.

Wm. Dometto, three-st'y brick dwell., Court St.; cost, $3,700.

Josephine Sauer, four-st'y brick dwell., cor. Oak and McMiken Sts.; cost, $9,000.

M. Wiegand, three-st'y brick dwell., cor. Jackson and Twelfth Sts.; cost, $3,200.

Henry Elstro, four-st'y brick dwell., 151 Woodward St.; cost, $4,200.

Benj. Hey, two-st'y brick dwell., Broadway; cost, $6,000.

Repairs, $6,625.

Total cost to date, $121,225.

Total permits to date, 31.

New York.

BANK-BUILDING.—The Emigrant Industrial Savings Bank owns the house and lot No. 51 Chambers St. The old buildings will be torn down and on the site will be erected a substantial fire-proof building occupying the entire area of the two lots, 48' feet wide, and 150' deep, fronting on both Chambers and Reade Sts. The edifice will probably be of granite, and will cost about $350,000.

HOUSES.—On the s e cor. of Seventy-fourth and Seventy-fifth Sts. and West End Ave., 24 three-st'y and basement brown-stone and terra-cotta trimmed dwells., with 18' to 20' frontages, are to be built from designs of Messrs. Lamb & Rich.

INSTITUTIONS.—On the e s of Madison Ave., between Eighty-First and Eighty-second St., buildings for the House of Mercy are to be built from plans of L. J. O'Connor, at a cost of $120,000. It will have a frontage of 150' on Madison Ave. and 50' on the streets.

For the Methodist Episcopal Church Home of the Aged and Infirm, a building is to be erected on the e s of Tenth Ave., covering the block from Ninety-second to Ninety-third St. It is to be of brick with stone finish, four-st'y, and will be from designs of Messrs. D. & J. Jardine.

For the House of the Good Shepherd, a four-st'y brick, stone and terra-cotta building, to cost $30,000, is to be built on the s e cor. of Ninetieth St. and Avenue A; from plans of Mr. Laurence J. O'Connor.

MUNICIPAL BUILDING.—Acting under the suggestion of Recorder Smyth, the Grand Jury this week, before being discharged for the term, handed in a presentment setting forth the necessity for providing better accommodations for the various city departments, and recommending that the Legislature authorize the Commissioners of the Sinking Fund to select a site in the City-Hall Park, upon which to erect a building or buildings for municipal purposes. The City-Hall and New Court-House, however, must not be removed to make space for the proposed building. The Grand Jury in their presentment go over the same grounds as those touched upon by the Grand Jury of the May term in 1882, regarding the unsafe condition of the Hall of Records, and the necessity for more room for other departments.

PARISH SCHOOL-HOUSE.—A new school is to be built in Grove St.; bet. Bedford and Bleecker Sts., by the Catholic parish of St. Joseph. It will cover a lot 82' 7" in width, and 104' in depth, and will be four-st'y in height. The material to be used is brick, stone and terra-cotta.

BUILDING PERMITS.—*Canal St., No.* 272, four-st'y and basement brick store, tin roof; cost, $8,000; owners, D. & W. Heidgerd, 274 and 276 Canal St.; architect, Jno. B. Snook; builder, not contracted for.

One Hundred and Twenty-seventh St., s s, 181' w Third Ave., five-st'y brick and brown-stone apartment-house, tin roof; cost, $23,000; owner, Thos. W. Benson; architect, C. Baxter.

East Eleventh St., Nos. 626-630, 3 five-st'y brick tenements, tin roofs; total cost, $48,000; owner, Fred. Heerlein, 952 Second Ave.; architect, J. Kastner.

West Thirty-eighth St., No. 321, four-st'y brick and brown-stone tenement, tin roof; owner, John D. Hassinger, 319 West Thirty-eighth St.; architects, A. Pfund & Son.

Madison Ave., n w cor. Eightieth St., four-st'y brick dwell., tin roof; cost, $45,000; owner, Miss Julia A. S. Kilpatrick, Sixty-ninth St., e of Eightieth St.; architects, D. & J. Jardine; builder, Edw. Kilpatrick.

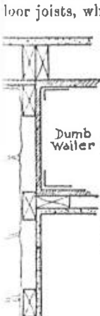
Courtlandt Ave., n e cor. One Hundred and Fifty-seventh St., three-st'y frame tenement, tin roof; cost, $5,000; owner, Adolph Koeneman, Courtlandt Ave., cor. One Hundred and Sixty-second St.; architect, A. Aretander.

Eighth Ave., n w cor. One Hundred and Thirty-fourth St., 4 four-st'y brick stores and tenements, tin roofs; cost, each, $10,000; owner, L. Weiher, New Rochelle; architect, H. J. Dudley.

Eighth Ave., w s, 50' 11" s One Hundred and Twenty-third St., runs through to St. Nicholas Ave., three-st'y brick store and dwell., tin roof; cost, $10,000; owner, John M. Pinkney, 716 Madison Ave.; architect, J. H. Valentine.

Fifty-seventh St., n s, 225' w Ninth Ave., seven-st'y brick, terra-cotta and brown-stone tenement, tin

loor joists, which were set and covered with a rough flooring. In the following spring the carpenter-work was commenced, while it was yet too cold and frosty to risk the construction of mason's work, and the framing was done and sheathed (being carried on temporary posts and braces) before the stone wall at this point was recommenced. After stone-work[1] was completed, it was allowed to settle and thoroughly dry out before the posts and



ng allowed to rest upon it. And de tight by repointing with cement int for the shingles to fit into. I hemselves were thoroughly soaked r several days before being used, iven another coat of oil and stain. in question impervious to water, hat might be caused by water getith stonework.

ly, Cass. Gilbert.

BEST TEN BUILDINGS.

Philadelphia, Pa., March 9, 1885.

rican Architect: —

ur invitation for "votes" on the erstood that the voters' names apsidered as confidential? Also, is necessary to form an opinion?

H. M.

ot b... led. A personal knowlenti... photographs and pubs nee... forming an opinion of a r.]

CLIPPINGS.

. Paris. — A special museum of s on the Quai d'Orsay, and will be republic in 1889. While planning er, are at last looking to the presres, and the Society of the Friends work to rescue the sculpture on the eing destroyed, and to draw up a kely to be pulled down unnoticed.

Bridge. — Mr. J. Foster Flagg, which was remarkable for being f an ordinary uneducated Mexican lid, crudely, several principles of exico are generally built of arched g, before the advent of railroads, olima, where this particular structw bridges of any description, and The peon referred to was, some a trail for cargo mules crosses the a copy of *Harper's Weekly*, which ension bridge. As a result of his tructure quite closely imitating the les and suspenders being twisted being passed over rude frames for ters in the river banks. The whole metal of any kind. It was carried year, and directly afterwards the uite original in design. It was also l. The cable was formed of wild ied together with lighter vines, no he structure. The piers were made r bed, in the form of a square, tying nd filling with stone. The towers op fork being used to support the rt the timbers. The timbers upon e cantilevers, weighted at the shore he central span. The only point of centre of the bridge. The roadway ient to pass one animal. The bridge

ould be gathered from the lake shore, nite boulders and "nigger-heads" of colvn, red, green and black. The mortar d Louisville cement. The framing was then sheathed and covered with tarred ne-work, and over a 2″ x 4″ stud set on The stone-work was carefully repointbeing m... ext to the paper, into which

SUMMARY OF THE WEEK.

Baltimore.

Building Permits. — Since our last report ten permits have been granted, the more important of which are the following: —

Jos. H. McAfee, 2 three-st'y brick buildings, n s Biddle St., between Valley and Ensor Sts., and two-st'y brick building in rear.

Jas. Thurston, 20 two-st'y brick buildings, s w s Calhoun St., n of Presburg, and 2 two-st'y brick buildings, w s Gilmor St., near s w cor. Presburg St.

Boston.

Building Permits. — *Brick.* — *Hanover St., No.* 155. *Blackstone St., No.* 163, *and North Centre St., Nos.* 115-119, mercantile, 48′ 6″ x 59′ 6″ x 64′; Asher Ratchesky, owner; Sampson, Clark & Co., builders.

Huntington Ave., near Wigglesworth St, schoolhouse, 114′ x 116′; owner, City of Boston.

Boylston Ave., near Green St., tenement, 54′ x 64′; owner and builder, Patrick Meehan.

St. Botolph St., No. 207, dwell., 25′ x 50′; owner, Chadwick Stillings; builder, O. L. Stillings.

West Chester Park, Nos. 220-232, 7 dwells., 23′ x 50′; owner, Chadwick Stillings; builder, O. L. Stillings.

Huntington Ave., No. 242, dwell., 25′ x 50′; owner, Chadwick Stillings; builder, O. L. Stillings.

West Chester Park, dwell., 25′ x 50′; owner, Chadwick Stillings; builder, O. L. Stillings.

Gordon St., cor. Call St., apartment-house, 57′ 8″ x 82′ 9″; owner, Thomas P. Proctor; builder, J. H. Besarick.

Brooklyn.

Building Permits. — *Grand Ave.*, e s, 90′ s Park Ave., 3 three-st'y frame tenements, tin roofs; cost, each, $3,500; owner, James Carey, 204 Clermont Ave.; architect, J. F. Carey; builders, Long & Barnes.

Noble St., n s, 120′ e Franklin Ave., three-st'y frame tenement, felt and gravel roof; cost, $4,860; owner, Nathaniel Roe; architect, Frederick Weber; builder, John Fallon.

Newell St., e s, 250′ s Nassau Ave., three-st'y frame tenement, felt and gravel roof; cost, $3,950; owner, Isaac A. White; architect, Frederick Weber; builder, John Fallon.

Fourth Ave., s e cor. Sixteenth St., 3 three-st'y brick stores and tenements, tin roofs; cost, $20,000; owner, Charles Boenau, cor. Fourth Ave. and Sixteenth St.; architect, Walter Coots; builders, Assip & Buckley.

Penn St., s s, 120′ e Marcy Ave., 2 three-st'y brown-stone tenements, tin roofs; cost, each, $7,500; owner, M. Moser, 435 Sixth St., New York; builders, George Lehrian & Sons.

Skillman Ave., No. 111, three-st'y frame tenement, tin roof; cost, $4,500; owner and architect, Robert Mullen, 166 East One Hundred and Nineteenth St., New York; builder, John Rueger.

Sumner Ave., e s, 60′ s Macon St., two-st'y brick stable, felt and gravel roof; cost, $3,500; owner, Wright Travis, cor. Willoughby and Bedford Aves.; architect, J. Sands; builder, Philip Sullivan.

Kosciusko St., n s, 100′ w Stuyvesant Ave., 16 two-st'y brick dwells., tin roofs; cost, $45,000; owner and architect, Thomas Ellson, 1134 Lafayette Ave.; builders, W. Maske and John Rueger.

Central Ave., w s, 50′ s Melrose St., three-st'y frame store, tin roof; cost, $4,000; owner and builder, John Bosch, 696 Flushing Ave.; architect, Th. Engelhardt.

Sumpter St., n s, 100′ e Howard Ave., three-st'y frame tenement, tin roof; cost, $4,250; owner, Chas. Schmitt, New York; builders, Charles Horn and Jacob L. Pirring.

North Ninth St., s s, 100′ e Third St., three-st'y frame tenement, tin roof; cost, $3,500; owner, Peter Crowley, 376 Third St.; architect, Th. Engelhardt; builders, Peter Crowley and Jos. Wagner.

Myrtle Ave., junction of De Kalb Ave. and Cedar St., 4 three-st'y brick tenements and stores, tin roofs; cost for all, $30,000; owner and builder, Fred. Herr, 778 Broadway; architect, Th. Engelhardt.

Jefferson St., s s, 200′ w Marcy Ave., 6 three-st'y brown-stone dwells., tin roofs; cost, each, $9,000; owner and builder, Harman Phillips, 289 Jefferson St.; architect, I. D. Reynolds.

Grand St., Nos. 81 *and* 83, n s, 137′ e Second St., one and two st'y brick skating-rink, tin roof; cost, $10,000; owner, E. H. Schlueter, Grand St., cor. Second St.; architect, Th. Engelhardt; builder, not selected.

Broadway, No. 797, e s, 25′ s Adams St., four-st'y frame store and tenement, tin roof; cost, $5,500; owner, Louis Wagner, Bushwick Ave.; architect, Th. Engelhardt; builder, not selected.

Lewis Ave., No. 12, w s, 75′ n Stockton St., two-st'y frame dwell., tin roof; cost, $3,500; owner, Frederick Koch, Hopkins St.; architect, Th. Engelhardt; builder, Jos. Frisse.

Lafayette Ave., n s, 175′ e Sumner Ave., 5 two-st'y brown-stone dwells., tin roofs; cost, each, $5,000; owner, John Cregier, 125 Vernon Ave.

Van Buren St., n s, 105′ w Sumner Ave.; 6 two-st'y brown-stone dwells., tin roofs; cost, each, $4,500; owner, architect and builder, F. Sloat, 286 Kosciusko St.

Manhattan Ave., s e cor. Freeman St., four-st'y brick store and tenement, cement and gravel roof; cost, $6,800; owner, Joseph Geise, 312 Eckford St.; architects, Randall & Miller; builders, Port & Walker.

Tompkins Ave., e s, 91′ n Jefferson St., two-st'y brick dwell., tin roof; cost, $4,800; owner and builder, Jas. W. Stewart, cor. Quincy St. and Tompkins Ave.; architect, I. D. Reynolds.

Alterations. — *West St.*, s e cor. Kent St., add a story to two wings; cost, about $1,000; owner, Eberhard Faber, 719 Broadway, New York; architect, Wm. T. Hallett; builder, not selected.

Chicago.

Restaurant-Building. — F. L. Charnley, architect, has completed plans for four-st'y structure, 45′ x 190′, of brick, iron and terra-cotta, on Adams St., between Clark and Dearborn Sts.; will be occupied as a restaurant by the owner, H. M. Kinsley; cost, furnished, $250,000.

Building Permits. — Wm. Lange, two-st'y dwell., 24 Bauman St., cost, $3,000.

M. Kaufman, 2 two-st'y dwells., 551 Hurlbut St.; cost, $10,000; architect, Geo. Spohr; builder, Geo. L. Frank.

H. Corinth, 2 three-st'y stores and dwells., 531 and 533 West Madison St.; architect, L. B. Dixon; builder, J. Phillips.

Mrs. M. Eichenberg, three-st'y flats, 181 Huron St.; cost, $4,500.

F. W. Koerps, two-st'y dwell., 3223 Wentworth Ave.; cost, $4,000.

H. Scheplock, three-st'y store and flats, 150 Osgood St.; cost, $3,500.

J. S. Kirk & Co., six-st'y warehouse, 340 North Water St.; cost, $25,000.

L. Rank, two-st'y flats, 178 Ambrose St.; cost, $3,000; architect, A. Bessler.

J. F. Gubbins, two-st'y dwell., 224 Laflin St.; cost, $2,500.

C. S. Bowl, five-st'y warehouse, 245 and 247 Kinzie St.; cost, $15,000; architect, L. B. Dixon; builders, Angus & Gindele.

O. B. Taft, basement, 3014 Michigan Ave.; cost, $5,000.

J. A. Larson, three-st'y flats, 273 North Franklin St.; cost, $6,000; architect, J. Otter; builder, J. A. Larson.

N. P. Chidester, two-st'y dwell., 434 West Congress St.; cost, $3,500; architect, W. H. Drake.

M. Callahan, two-st'y dwell., 84 Flournoy St.; cost, $3,000.

Carden & Crowley, two-st'y dwell., 797 Taylor St.; cost, $4,500; architect, P. W. Ruehl.

Mrs. J. Derlin, two-st'y dwell., 2741 Archer Ave.; cost, $5,000; architect, J. Huber.

W. J. Leadbeater, 2 two-st'y dwells., 361 and 363 West Jackson St.; cost, $11,000.

P. Wilkin, two-st'y dwell., 259 West Division St.; cost, $3,000.

T. Wilson, two-st'y dwell., 12 Campbell Ave.; cost, $2,800; architect, Hancock.

C. Eichenold, two-st'y dwell., 3836 Dearborn St.; cost, $3,700.

New York.

Church. — For the Reformed Dutch Church, of Harlem, a church, chapel and parsonage, to cost $80,000, is to be built on the n w cor. of One Hundred and Twenty-third St. and the Sixth Ave. Boulevard, from plans of Mr. J. R. Thomas.

Schoolhouse. — For the St. Joseph Roman Catholic Church, on Grove St., a fire-proof schoolhouse, to cost $120,000, is to be built from plans of Mr. Arthur Crooks.

Stables. — A depot and stables, to cover an area of 33,000 square feet, is to be built for the Forty-second Street, Manhattanville & St. Nicholas Ave. Railroad Company, on One Hundred and Twenty-ninth and One Hundred and Thirtieth Sts., Manhattan Street and Twelfth Ave., from plans of Messrs. Thayer & Robinson.

Store. — For the Misses Major, a five st'y iron-front brick building is to be built at No. 438 Broome St., at a cost of $45,000, from plans of Mr. Edward Kilpatrick.

Building Permits. — *Bayard St., No.* 9, five-st'y brick store and dwell., tin roof; cost, $9,000; owner, Betsy Rubin, on premises; architect, Chas. Rentz.

Canal St., No. 368, five-st'y brick store, gravel roof; cost, $18,000; owner, J. A. Roosevelt, 32 Pine St.; architect, Stephen D. Hatch; builders, M. Eidlitz & Son and A. G. Bogert & Bro.

Lafayette Pl., n e cor. Fourth St., seven-st'y brick factory, asphalt roof; cost, $200,000; owners, Roswell Smith and Theo. L. De Vinne, 54 East Fifty-fourth St.; architects, Babb, Cook & Willard.

West St., No. 259, rear, three-st'y brick tenement, tin roof; cost, $3,000; owner, Samuel Carey, 335 West Fifty-fourth St., trustee for Elizabeth Bentinck; architect, M. C. Merritt.

West Eleventh St., No. 283, five-st'y brick tenement, tin roof; owner, James A. Hayden, 89 Madison Ave.; architects, Hubert Pirsson & Co.

Greenwich St., No. 328, six-st'y brick store, tin roof; owner, Diederick Fink, 106 West Washington Pl.; architect, J. W. Cole.

Hall Pl., No. 1, n e cor. Sixth St., five-st'y brick store and tenement, tin roof; cost, $12,000; owner, Caroline Bosch, 223 Sixth St.; architect, J. Boekell.

Thirty-seventh St., s s, 225′ e Eleventh Ave., 2 five-st'y brick tenements, tin roofs; cost, $12,000 each; owner, Wm. Niebuhr, 350 East Seventy-seventh St.; architect, Wm. F. Niebuhr; builders, Wm. & Wm. H. Niebuhr.

West Forty-fifth St., No. 414, three st'y brick stable and dwell., tin roof; cost, $8,000; owner, W. W. Wall, 233 West Forty-fifth St.; architects, De Lemos & Cordes.

Fifty-seventh St., n s, 225′ e Seventh Ave., 2 four-st'y brick dwells., tin roofs; cost, $23,000 and $25,000; owner, Ashley A. Vantine, 877 Broadway; architects, D. & J. Jardine.

Fifty-seventh St., n s, 226′ 6″ e Seventh Ave., four-st'y brick dwell., tin roof; cost, $22,000; owner and architects, same as last.

West Twenty-eighth St., Nos. 423-427, seven-st'y brick piano-factory, tin roof; cost, about $40,000; owner, C. S. Fischer, 152 West Fifty-eighth St.; architect, W. B. Tubby.

West Forty-fifth St., No. 513, four-st'y brick tenement, tin roof; cost, $9,500; owner, Jacob Schmidlapp, 411 East One Hundred and Twentieth St.; architect, C. F. Ridder, Jr.

West Twenty-fourth St., No. 518, one-st'y brick shop, gravel roof; cost, $3,000; owner, Benjamin Moore, by J. Wells, attorney, 191 Ninth Ave.; architect, J. B. Franklin; builder, J. D. Miner.

Ninth Ave., n w cor. Thirty-eighth St., 2 five-st'y brick stores and tenements and one extension, tin roof; cost, $14,000 and $16,000; owner, Andrew Ewald, 452 Fifty-first St.; architect, J. M. Forster.

Third Ave., n e cor. One Hundred and First St., 4 five-st'y brick tenements and stores, tin roofs; cost, total, $64,000; owner, Michael Duffy, 156 East One Hundred and Second St.; architect, Andrew Spence.

East Sixty-fourth St., No. 227, three-st'y brick stable and dwells., tin roof; cost, $8,000; owners, Bloomingdale Bros., Third Ave., cor. Fifty-sixth St.; architect, A. Wagner.

First Ave., n e cor. Eightieth St., 2 five-st'y brick stores and tenements, tin roofs; cost, corner, $15,000, other $10,000; owner, New York Protestant Episcopal School Society, 1517 Broadway; architect, John Sexton; builders, Van Dolsen & Arnott and L. Williams.

Eightieth St., n s, 54′ e First Ave., 2 five-st'y brick tenements, tin roofs; cost, $10,000 and $13,000; owner, architect and builder, same as last.

Eighty-third St., s s, 275′ e Tenth Ave., two-st'y brick stable, tin roof; cost, $10,000; owner, Margaret Deeves, 243 East Thirteenth St.; architect and builder, Richard Deeves.

Second Ave., s e cor. One Hundred and Twenty-sixth St., 4 five-st'y brown-stone tenements, tin roofs; cost, total, $64,000; owner, John Van Dolson, 125 East Eighty-third St.; architect, A. Spence.

One Hundred and Thirty-fifth St., s s, 100′ e Eighth Ave., one-st'y brick skating-rink, tin roof; owner, Edw. H. M. Just, 35 Great Jones St.; architect, M. C. Merritt.

One Hundred and Twenty-ninth St., s s, 200′ w Seventh Ave., 6 three-st'y brown-stone dwells., tin roofs; cost, each, $10,000 and upwards; owner, Mattie A. Cockburn; architect and builder, E. H. Cockburn.

One Hundred and Fifty-seventh St., s s, 100′ e Tenth Ave., three-st'y frame dwell., tin and shingle roof; cost, $4,000; owner, Asbury Lester, 249 West One Hundred and Twenty-fourth St.; architect, H. Fouchaux.

Kingsbridge Road, n e cor. Central Ave., two-st'y and attic frame dwell., tin roof; cost, $12,000; owner, Nettie Lynch, 558 Lexington Ave.; architect, C. Abbott French.

Fulton Ave., Nos. 1346 *and* 1348, near One Hundred and Sixty-eighth St., 2 two-st'y frame dwells., tin roofs; total cost, $7,000; owner, Stephen Moser, 136 West Fifty-second St.; architect, J. Kastner.

Alterations. — *Fifty-fourth St., No.* 407, three-st'y brick extension, tin roof; cost, $3,000; owner, Henry Elias, 403 East Fifty-fourth St.; builders, J. & L. Weber.

West Fifty-eighth St., Nos. 408-416, internal alterations; cost, $10,000; owner, Jacob F. Stier, Brooklyn; architects, Gilbert & Thompson; builder, C. W. H. Elting.

Third Ave., n e cor. Forty-third St., five-st'y brick extension, tin roof; cost, $10,000; owner, B. T. Kearns, 308 East Eighteenth St.; architect, J. A. Remer; builders, Thos. Cockerill and John Rueger.

Park Ave., s w cor. Fifty-seventh St., four-st'y brick extension for elevator-shaft; cost, $3,500; owner, Chas. Graef, 4 West Forty-eighth St.; architect, Stephen D. Hatch; builders, Crane Bros. and Jas. Elgar.

Philadelphia.

Building Permits. — *Woodland Ave.*, w of Fiftieth St., one-st'y chapel, 26′ x 70′; also, one-st'y addition to chapel, *Poplar St.*, w of Twenty-seventh St., 15′ x 30′; Frank W. Tweed, contractor.

Columbia Ave., e of Fifteenth St., three-st'y store and dwell., 18′ x 60′; Chas. P. Griel, contractor.

Eighth St., w s, below Huntingdon St., 9 two-st'y dwells., 15′ x 47′; John Loughran, owner.

North Front St., No. 2127, two-st'y brick building, 13′ x 32′; Valentine Lint, contractor.

Albert St., w of Twelfth St., 2 three-st'y dwells, 15′ x 24′; Amos Supplee, owner.

Roxborough Ave., above Ridge Ave., two-st'y dwell., 20′ x 26′; J. B. Muir, owner.

Marshall St., above Girard Ave., three-st'y dwell., 22′ x 24′; Joseph G. Huber, contractor.

Twelfth St., above Susquehanna Ave., three-st'y dwell. and stable, 17′ x 41′, and 17′ x 28′; R. McClellan, contractor.

Ingersoll St., w of Twenty-second St., three st'y dwell., 16′ x 41′; Harbach & Auchter, contractors.

Moore St., e of Third St., 3 two-st'y dwells., 15′ x 42′; David France, owner.

Columbia Ave., No. 1424, three-st'y store and dwell., 20′ x 76′; Wm. E. Beetern, owner.

Twenty-sixth St., above Oxford St., 6 two-st'y dwells., 16′ x 46′; O. A. Guenthner, contractor.

Oxford St., No. 2629, two-st'y dwell., 17′ x 42′; Wm. Chambers, owner.

Germantown Road and Huntingdon St., n e cor., three-st'y store and dwell., 20′ x 54′; Francis McGill, owner.

Emerald St., bet. Alleghany Ave. and Madison St., 2 two-st'y dwells., 14′ x 42′; Francis Deitrich, contractor.

St. Louis.

Building Permits. — Eighty permits have been issued since our last report, fourteen of which are for unimportant frame houses. Of the rest those worth $2,500 and over are as follows: —

Wm. Gillespie, 3 adjacent two-st'y stores and tenements; cost, $5,000; Eden Reed, contractor.

G. Spengeman, two-st'y store and dwell.; cost, $3,000; G. Spengeman, contractor.

Fred. Hartmann, two-st'y double dwell.; cost, $6,000; Fred. Hartmann, contractor.

Jno. H. Marische, two-st'y store and dwell.; cost, $5,5 0; Rothe & Rattermann, contractors.

G. W. Clemens, two-st'y brick dwell.; cost, $9,100; T. B. Annon, architect; W. D. Bartoe, contractor.

J. H. Kaeser, 5 adjacent two-st'y dwells.; cost, $18,000; E. C. Jansten, architect; Paulus & Weidemuller, contractors.

J. Dunlap, two-st'y brick dwell.; cost, $3,500; J. Dunlap, contractor.

G. Rich, 2 adjacent two-st'y dwells.; cost, $5,000; Herman & Schulter, contractors.

F. Hueleman, three-st'y store and dwell.; cost, $5,800; Wm. Kerkenhoff, contractor.

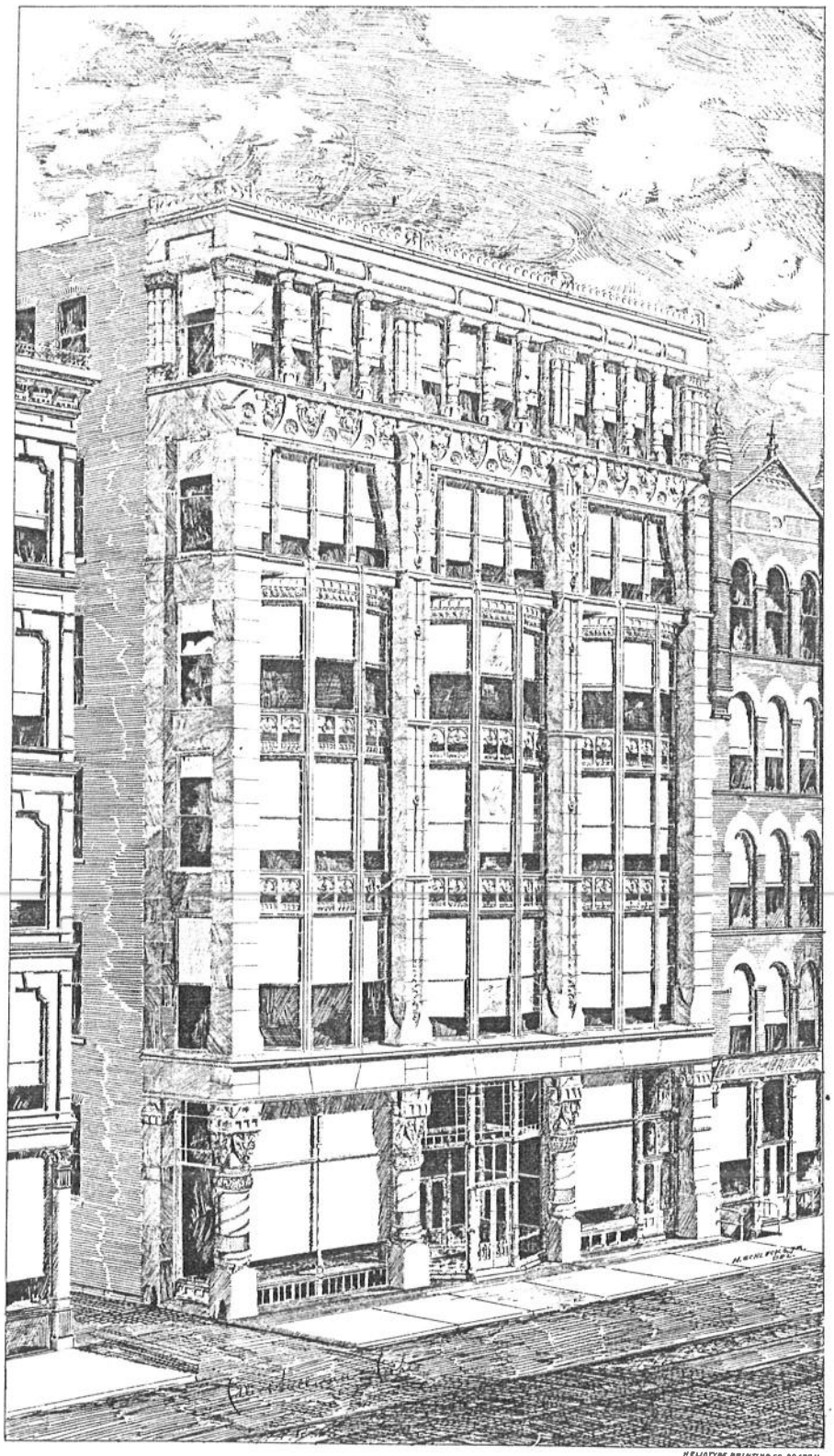
J. Hacker, two-st'y brick tenement; cost, $3,000; J. Hacker, contractor.

G. Keisler, three-st'y brick tenement; cost, $3,600; H. Stevens, contractor.

W. C. Wrisberg, 2 adjacent two-st'y tenements; cost, $2,500; contract sublet.

S. Schultz, two-st'y double brick tenement; cost, $3,000; H. Sudhalter, contractor.

COPYRIGHTED 1885 JAMES R. OSGOOD & CO.



HELIOTYPE PRINTING CO. BOSTON

BUILDING FOR MR. MARTIN RYERSON, NOS. 45, 47, 49. RANDOLPH ST.
CHICAGO, ILL.
MESSRS. ADLER & SULLIVAN, ARCH'TS.

ot flow, and it cannot be pumped, and
ything about "torpedoing." So they
n chunks — the stone and oil together
y mines, worked very much like coal
ethod, practised a century and a half
ved upon, except that steam-power is
o hoist the stone from the mine — no
t that the oil-bearing vein of rock is
. The original vein was found close
ol, but it was small and was soon ex-
orked is apparently inexhaustible. At
factory is built, with steam engines
h. This is built before the shaft is
g, lining the hole with strong timber-
t is generally about 2 yards by 4 or 5
h various "drifts" are dug for pur-
em of ventilation is said to be very
ok is reached, galleries and headings
oal mine or a silver-ore mine. The
oot of the shaft and then hoisted up
extracting the oil from the stone is a
ort in kettles over a fire and boiled
. The result is a pretty good quality
or which it is used exclusively. No
o apply to illuminating purposes has
different from American oil in many
Pennsylvania petroleum, nor does it
eld be mined out as it is. So free is
t the air in the mines is said to be
workman has ever been suffocated
een an explosion. A good mine pro-
ot oil per day. They sell it entirely
at to about $9 a barrel in American
al to about 50 barrels, so that a well
do this it is worked day and night by
rking eight hours. The net profit to
boggarly wages are paid to the men.
nts a day, and many of the men get
he cost of running the mine is very
, is considerable. I am told that it
in six months to sink a shaft and get
s well on toward $15,000. As I have
or any gas. But several shafts have
flooded from veins of water — salt
have heard of such a thing as pump-
s in faster than they can hoist it out
once flooded they give it up as a bad

AILWAY. — For about two years past,
s been in successful operation in the
rmany, an underground electric rail-
l with coal over a level road some
aking twenty-five trips per day, and
miles an hour. Its daily carriage
i tons. The entire plant has cost
o outlay for repairs, and the wages
ost the total expense, so it is an
uccess. The details of operation we
isitor to the mine. There is above
which is driven by belting from a
the cylinders inverted, the pulleys
ynamo and engine are run at respec-
d revolutions per minute. The shaft
vn it, by one-fourth inch copper wire,
in the road it is led along two rails
of the mine. The road has a double
with brick throughout its length, the
elain insulators fixed in the masonry.
by gearing to its wheels, is a dynamo,
es with one of the conductors on the
one end of which is fastened to a car-
other to a pole of the dynamo. When
on, the current passes down the shaft
e conductor, until it reaches the car-
pole of the dynamo on the locomo-
dynamo to get to the other pole, and
mature to revolve, and the motion is
wheels of the locomotive. The pro-
ngement is thus given: steam engine,
orse-power; locomotive, three horse-
y per cent of the power of the steam-
ve. The whole affair is simple, com-
nits are perfectly satisfactory to the

. — The lumber returns for the State
following figures: Saginaw Valley,
shore from Tawas to Cheboygan,
er and tributaries, 639,952,508 feet;
f the State, 390,793,037 feet; mills on
5 feet; making a total in the lower
the total cut in the upper peninsula
and total for the State of 4,175,339,210
for the lower peninsula was 2,724,577,-
21,323,750 shingles, making a total for
les, of which Saginaw, Manistee, and
half. The amount of lumber reported
at the close of the year 1881 was
peninsula, 120,913,665 feet, making a
—*New York Times.*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

313,041. WINDOW-SHADE ATTACHMENT. — Nelson F. Acers, Iola, Kans.

313,065. HOT-AIR FURNACE.—Benjamin W. Felton, Boston, Mass.

313,068. DISCHARGE AND WASTE-PIPE PROTECTOR.—Wellesley W. Gage, Yonkers, N. Y.

313,071. SMOKE-CONSUMING FURNACE. — Franklin B. Giesler, Milwaukee, Wis.

313,085. STAY-ROLLER FOR SLIDING-DOORS.—John H. Lawrence, Sterling, Ill.

313,098. LOCK.—Benjamin Moser, Brooklyn, N. Y.

313,099. GLASS MOSAIC FOR DECORATING ROOMS AND OTHER PURPOSES.—Rudolph Nielson, New York, N. Y.

313,138. WINDOW.—Emil Wagner, Cincinnati, O.

313,193-194. DEVICE FOR LOCKING JOINTS. — Edward L. Gaylord, Bridgeport, Conn.

313,195. PLANE FOR PICTURE-MOULDINGS. — Edward L. Gaylord, Bridgeport, Conn.

313,203. MACHINERY FOR MANUFACTURING PORTLAND CEMENT.—David Griffiths, Egypt, Pa.

313,210. SELF-CLOSING HATCHWAY. — Thomas H. Hulbert, Minneapolis, Minn.

313,217. MANUFACTURE OF PORTLAND CEMENT.—Robert W. Lesley, Philadelphia, Pa.

313,221. COMPOSITE TILING, PAVING AND FLOORING SLAB OR BUILDING-BLOCK.—Robt. Marsh, Brooklyn, N. Y.

313,228. FASTENING FOR METAL LATHS. — Aaron B. Moore, Mount Vernon, O.

313,239. DRAUGHTSMAN'S INK-MIXER. — William W. Redfield, Minneapolis, Minn.

313,240. ELEVATOR-CAGE AND SAFETY-ATTACHMENT.—Geo. H. Reynolds, New York, N. Y.

313,241. ELEVATOR.—Geo. H. Reynolds, New York, N. Y.

313,249. FAUCET.—Nicholas Styne, Brooklyn, N. Y.

313,258. FASTENING FOR MEETING-RAILS OF SASHES.—George Thumshirn, Branford, Conn.

313,261. SHUTTER-FASTENER. — Avery Van Wie, Indianapolis, Ind.

313,275. DIVIDERS AND CALIPERS.—Charles S. Barber, Hartford, Conn.

313,281. WATER-CLOSET. — August F. Blesch, Columbus, O.

313,314. VALVE FOR WATER-CLOSETS AND OTHER RECEPTACLES. — William H. Gants, San Francisco, Cal.

313,328. BOLT FOR DOORS OR SHUTTERS. — Annie W. Harris, Philadelphia, Pa.

313,371. ALARM DOOR-FASTENING. — Marion M. Roberts, Norris City, Ill.

313,375. CHIMNEY CAP AND VENTILATOR. — Konrad Reutschi, Battle Creek, Io.

313,376. METAL ROOF.—L. Lewis Sagendorph, Cincinnati, O.

313,412. WATER-PROOF COMPOUND. — John T. Elliott, Grand Rapids, Mich.

313,423. AUTOMATIC FIRE-EXTINGUISHER. — Chas. L. Horace, Brooklyn, N. Y.

313,439. LOCK.—Benjamin Moser, Brooklyn, N. Y.

313,441. FIREPLACE AND CHIMNEY.—Theodore C. Nativel, Oakland, Cal.

313,446. STEAM-HEATING APPARATUS. — Stephen H. Purdy, St. Paul, Minn.

313,450-451. AUTOMATIC HATCHWAY-GUARD FOR ELEVATORS.—Columbus K. Rogers, Salem, Mass.

313,457. LOCK-HINGE. — Samuel Tuerk, Chicago, Ill.

313,461. DOOR-OPENER. — Edward G. Worley, New York, N. Y.

313,465. SUSPENDED SCAFFOLD. — John Worsley, Chester Pa.

SUMMARY OF THE WEEK.

Baltimore.

FACTORY. — George Archer, architect, has prepared drawings for the Estate of Thos. Wilson, for a one and three st'y frame factory, 75' x 150', to be built at Canton, for the Poppleir Silicated Phosphate Company; John Haswell, builder.

DWELLING. — Wm. H. Marriott, architect, is building a two-st'y and attic frame dwell., 36' x 42', on Charles-street Ave., to cost $4,500.

BUILDING PERMITS. — Since our last report thirty-four permits have been granted, the more important of which are the following:—

Wm. H. Fowler, 4 three-st'y brick buildings, s s John St., between Bond and Broadway.

C. A. Pindell, 4 three-st'y brick buildings, w s Argyle Ave., n of Lanvale St., and 4 two-st'y brick buildings, e s Shields Alley, in rear.

Samuel B. Derr, 3 three-st'y brick buildings, commencing n e cor. Linden Ave. and Robert St., and 4 three-st'y brick buildings, n s Robert St., in rear of above.

C. Franke, three-st'y brick building, e s Gay St., between Caroline and Dallas Sts.

L. F. Bowen, 12 two-st'y brick buildings, e s Carter Alley, between Lanvale and Townsend Sts.

H. P. McGrath & Co., three-st'y brick warehouse, on right of way.

D. F. Howell, 3 three-st'y brick buildings, e s Foster Alley, s of Lanvale St.

Longmain, Straine & Co., 12 two-st'y brick buildings, e s Washington St., commencing s e cor. Federal St.

John Keeper, 2 three-st'y brick buildings, n e cor. Hollins and Stricker Sts., and 4 three-st'y brick buildings, e s Stricker St., n of Hollins St.

W. F. Stubbs, 19 two-st'y brick buildings, n e s Cross St., between St. Peters Street and Columbia Ave.

Jas. Connaughton, three-st'y brick building, e s Jasper St., n of Franklin St.

J. Vancollen, three-st'y brick building, e s Gay St., between Chew and Caroline Sts.

W. E. Wood & Co., 12 two-st'y brick buildings, e s Sassafras St., s of Cross St.

Walter W. Watts, 44 two-st'y brick buildings, w s Garrett Ave. and n and s of Clement St.

A. A. White, three-st'y brick building, w s North St., s of Townsend, and stable in rear.

Jacob Saum, 8 three-st'y brick buildings, s s North Ave., between Eutaw Pl. and Linden Ave.

Peter Flaherty, etc., 3 two-st'y brick buildings, w s Duncan Alley, between Fayette and Orleans Sts.

F. E. Yewell, 32 two-st'y brick buildings, s s Washington Road, between Bayard and Bush Sts., 24 two-st'y brick buildings, n s Ward St., between same, and 7 two-st'y brick buildings, w s Bayard St.

Boston.

BUILDING PERMITS.—*Brick.—Chapman Pl.*, cor. Bosworth St., dwell. and store, 8' x 50'; A. C. Russell, owner; John Mack, builder.

Adams St., cor. Dorchester Ave., halls and offices, 40' x 75'; Henry Fields, owner; McNeil Brothers, builders.

North Centre St., No. 12, mechanical-building, 34' x 86'; G. M. Hurd, owner; A. Hataway, builder.

Brooklyn.

BUILDING PERMITS. — *Schenck St.*, w s, 109' 9" s De Kalb Ave., 10 four-st'y brown-stone flats, tin roofs; cost, each, about $12,000; owner, Thos. H. Brush, Fourth Ave., cor. Flatbush Ave.; architect, F. E. Lockwood.

York St., s s, 25' w Charles St., three-st'y and cellar brick store and tenement, tin roof; cost, $4,500; owner and architect, John Witte, 186 York St.; builders, John Kolle and Jno. Stabler.

Monroe St., n s, 250' w Sumner Ave., 5 two-st'y brick dwells., tin roofs; cost, each, $4,800; owner, architect and builder, Daniel B. Norris, 359 Clifton Place.

Evergreen Ave., w s, 60' s Montieth St., three-st'y brick ice-house; gravel roof; cost, $12,000; owners, S. Liebmann's Sons, Forrest St., near Bremen St.; architect, Th. Engelhardt; builder, U. Maurer.

Hope St., n e cor. Sixth St., five-st'y and basement brick factory, tin roof; cost, $22,000; owner, James Cavanagh, 54 South Sixth St.; architect, C. C. Buck.

Stanhope St., No. 55, n s, 250' e Evergreen Ave., two-st'y frame (brick-filled) dwell., tin roof; cost, $3,000; owner and builder, E. C. Bauer, 22 Stanhope St.

Rockaway Ave., n w cor. Atlantic Ave., 2 four-st'y brick stores and tenements, tin roofs; cost, each, $3,500; owner, Peter H. Ahlers, 385 Atlantic Ave.; architect, B. H. Ahlers.

Gwinett St., Nos. 95, 97 *and* 99, n s, 3 three-st'y brick tenements, two with stores, tin roofs; cost, $5,500; owners, Marx & Wachschlager, rear of above premises; architect, H. Vollweiler.

Bushwick Ave., e s, 50' s Prospect St., four-st'y frame (brick-filled) stores and tenement, tin roof; cost, $5,000; owner, Jacob Klein, 449 Bushwick Ave.; architect, H. Vollweiler.

South Ninth St., No. 213, being 75' e Sixth St., three-st'y brown-stone dwell., tin roof; cost, $9,000; owner, Richard Malone, 26 South Sixth St.; architect, E. F. Gaylor; builders, Thos. Gibbons and S. M. Weeks.

Gwinnett St., No. 136, s s, 122' e Harrison Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,000; owner and architect, G. Nitzer, on premises.

Duryea St., s s, 225' e Broadway, two-st'y frame (brick-filled) dwell., tin roof; cost, $3,000; owner, C. de Loraine, 1155 Broadway; architect and builder, C. L. Johnson's Sons.

Union St., s s, 80' w Fifth Ave., one-st'y brick rink, felt and sand roof; cost, $15,000; owner, John Devlin, Fulton St.; architect, E. F. Gaylor; builders, F. & J. Kelly and Jno. Fallon.

Schenck St., Nos. 11 *and* 13, e s, 100' s Flushing Ave., four-st'y brick factory, tin roof; cost, $20,000; owner, P. Frederick Lenhart, 88 Classon Ave.; architect, G. W. Anderson; builder, J. D. Anderson.

Heyward St., n s, 80' w Bedford Ave., 5 three-st'y brick tenements, tin roofs; cost, each, $8,000; owner and builder, Richard Healy; architect, I. D. Reynolds.

Monroe St., n s, 197' e Throop Ave., 5 two and three st'y dwells., tin roofs; cost, each, $3,000; owner, Henry de Zavala, 411 Monroe St.; architect and builder, George B. Stoutenburg.

Sumner Ave., s e cor. Ellery St., three-st'y frame store and tenement (brick-filled), tin roof; cost, $5,450; owner, Mr. Gross, 75 Debevoise St.; architect, H. Vollweiler.

Adams St., s s, 100' w Evergreen Ave., three-st'y frame tenement (brick-filled), tin roof; cost, $3,000; owner, Michael Munz, 171 Myrtle St.; architect, H. Vollweiler.

Nineteenth St., s s, 325' e Sixth Ave., four-st'y brick tenement, tin roof; and *Twentieth St.*, n s, 325' e Sixth Ave., four-st'y brick tenement, tin roof; total cost, $18,000; owner, John Weeber, 25 Willow Pl.; architects, M. Freeman's Sons; builders, J. J. Cody and M. Freeman's Sons.

Twenty-second St., n s, 160' e Fifth Ave., three-st'y brick schoolhouse, tin roof; cost, $40,000; owner, St. John Roman Catholic Church, 250 Twenty-first St.; architect, Wm. Schickel.

Jefferson St., s s, 200' e Throop Ave., 12 three-st'y brown-stone dwells., felt and gravel roofs, wooden cornices; cost, each, $5,000; owner and architect, Wm. V. Studdiford, 82 Woodhull St.

Monroe St., s s, 267' w Reid Ave., 2 two-st'y brick dwells., tin roofs, wooden cornices; cost, each, $4,000; owner, etc., Thomas Miller, 650 Monroe St.

ALTERATIONS. — *Lefferts Pl., No.* 119, one-st'y brick extension, tin roof, brick cornice; cost, $5,000; owner, Joseph H. Bearns, on premises; architect, J. Kastner; builder, not selected.

Chicago.

HOUSES. — Burling & Whitehouse, architects, have plans ready for a three-st'y dwell., 66' x 84', at n w cor. of Michigan Ave. and Thirty-third St., for J. Cudahy; to be constructed of Connecticut Longmeadow stone; cost, $125,000.

BUILDING PERMITS. — E. Ganot, three-st'y dwell., 325 Twenty-second St.; cost, $6,000; builder, W. Reinert.

Board of Education, three-st'y schoolhouse, 161 North Sangamon St.; cost, $32,000; architect, J. J. Flanders.

H. Jordan, three-st'y store and flats, 883 Polk St.; cost, $5,500; architects, Strippelman & Co.

J. F. Walsh, stable, 90 North Market St.; cost, $5,000.

Backenhues & Mueseler, four-st'y factory, 95 and 97 Indiana St.; cost, $10,000; architect, F. Keltenick.

Wm. Haffmayer, two-st'y dwell., 2727 Portland Ave.; cost, $2,700.

J. Raber, three-st'y store and dwell., 2296 State St.; cost, $8,500; architect, J. Frank.

C. O'Shea, two-st'y dwell., 869 West Indiana St.; cost, $3,500.

H. Simons, two-st'y dwell., 523 West Congress St.; cost, $5,000; architects, Wheelock & Clay.

J. T. Stewart, 3 cottages, 664 to 670 Rockwell St.; cost, $2,700.

D. C. Starrett, two-st'y dwell., 927 Thirty-eighth St.; cost, $2,500.

G. Watson, five-st'y warehouse, 121 and 123 Michigan St.; cost, $26,000.

W. M. Dee, three-st'y store, 22 Quincy St.; cost, $7,000; architect, W. A. Furber.

G. A. Johnson, three-st'y store and flats, 938 West Lake St.; cost, $5,500; architects, Wilson & Moody.

P. Adams, three-st'y store and flats, 357 Hurlbut St.; cost, $3,000; architect, A. G. Boes.

J. Samuel, two-st'y dwell., 129 Osgood St.; cost, $2,500.

H. M. Kinsley, four-st'y restaurant-building, Adams St.; cost, $125,000; architect, F. L. Charnley.

J. Banholzer, three-st'y store and flats, 133 West Randolph St.; cost, $7,000; architect, E. Sarbell; builders, Lund & Gilbert.

G. Ludwig, two-st'y store and flats, 106 Smith St.; cost, $5,000; builder, F. Kirchoff.

W. H. Aldrich, 2 three-st'y flats, 49 and 51 Ann St.; cost, $14,000; architect, J. Vigant.

P. Clifford, two-st'y dwell., 184 North Wood St.; cost, $2,600; builder, J. McGee.

Wm. Anderson, two-st'y dwell., 3029 Portland Ave.; cost, $4,000.

G. Viehweg, three-st'y factory, 266 and 268 Clinton St.; cost, $10,000.

J. Bobka, three-st'y store and dwell., 657 Throop St.; cost, $8,000.

W. Goldsmith, 2 three-st'y flats, 316 and 318 North State St.; cost, $8,000; architect, F. H. Waschor; builder, L. Weick.

J. John, 2 two-st'y stores and flats, 546 West Madison St.; cost, $2,500; architect, M. L. Bears; builders, G. Lehman & Son.

New York.

FLATS. — For Mr. John D. Raest, Jr., 2 five-st'y flats, with stores, 25' x 70' each, are to be erected on the w s of Third Ave., near One Hundred and Third St., at a cost of about $30,000, from designs of Messrs. Hugo Kafka & Co.

A five-st'y flat, of stone, brick and terra-cotta, 25' x 89', is to be built at No. 117 East Fifty-third St., at a cost of $22,000, for Mrs. Jane E. Cusick, from designs of Mr. R. Rosenstock.

For Mr. Mark Rinaldo, 4 five-st'y brick, stone and terra-cotta flats, 25' x 90' 6" each, are to be built on the n s of Thirty-third St, 81' e of Third Ave., to cost $100,000, from plans of Messrs. A. B. Ogden & Son.

HALL. — For the Washington Heights Building Association, Mr. Carl Pfeiffer is preparing plans for a 75' x 100' building for a bank, library and club-rooms, to be built on Tenth Ave., between One Hundred and Fifty-sixth and One Hundred and Fifty-seventh Sts., at a probable cost of about $40,000.

STORES.—On the n e cor. of Broadway and Fifty-third St., 5 brick and stone-trimmed stores, about 20' x 80' each, are to be built for Mrs. C. Rusch, from designs of Mr. Chas. C. Haight.

BUILDING PERMITS. — *Broome St., No.* 438, five-st'y brick store, tin roof; cost, $30,000; owner, Miss Jane Major, 147 Second Ave., and others; architect and builder, E. Kilpatrick.

Cherry St., No. 336, five-st'y brick tenement, tin roof; cost, $16,000; owner and builder, John Totten, 240 West Forty-ninth St.; architect, M. Louis Ungrich.

East Houston St., Nos. 327 *and* 329, 2 five-st'y brick tenements, tin roofs; cost, each, $19,000; owner, Solomon Jacobs, 195 East Broadway; architect, Henry Herter.

East Broadway, No. 94, six-st'y brick tenement, tin roof; cost, $14,000; owner and architect, same as last.

King St., No. 4, five-st'y brick tenement, tin roof; cost, $9,000; owner, Amelia M. Large, 679 Greene Ave., Brooklyn; architects, Gilbert & Thompson.

Ludlow St., No. 69, three-st'y brick synagogue, tin roof; cost, $18,000; owner, Congregation of Beth Hamedrish Hadogal, Meyer Freeman, President, 32 Ludlow St.; architect, Wm. Graul.

Mulberry St., No. 126, five-st'y brick store and tenement, tin roof; cost, $9,500; owner, Joseph L. Schofield, West Farms, Twenty-fourth Ward; architect, A. Spence.

Norfolk St., No. 29, five-st'y brick tenement, tin roof; cost, $18,000; owner, Morris Rosendorff, 50 Eldridge St.; architect, Chas. Rentz.

East Fourth St., No. 81, five-st'y brick tenement, tin roof; cost, $18,000; owner, Wm. Pilgrim, 75 East Third St.; architect, Jobst Hoffmann.

Forty-sixth St., n s, 443' 6" w Eighth Ave., 3 three-st'y and basement brown-stone front dwells., tin roofs; cost, each, $12,500; owner, John Livingston, 981 Lexington Ave.; architect, F. T. Camp.

Ave. A, e s, 75' s Fifty-seventh St., five-st'y brick brewery, tin roof; cost, $20,000; owners, Schmidt &

Pg 145

THE AMERICAN ARCHITECT AND BUILDING NEWS.

VOL. XVII. Copyright, 1885, JAMES R. OSGOOD & CO., Boston, Mass. No. 483.

MARCH 28, 1885.

Entered at the Post-Office at Boston as second-class matter.

CONTENTS.

SUMMARY: —
"Monographs of American Architecture." — The rumored Removal of the Architect of the United States Capitol. — Burning of the Langham Hotel, Chicago, Ill. — The Rotch Travelling Scholarship. — Accidents to Workmen. — Punctured Wounds. — Burns. — Broken Limbs. — The New York Chapter, A. I. A., and the Bolivar Statue. 145
THE DELLA ROBBIAS. — II. 147
TEMPERED GLASS. 149
PHOTOGRAPHY IN THE PRINTING-PRESS. — I. 149
THE ILLUSTRATIONS: —
North Porch of Chartres Cathedral. — Competitive Design for Barn. — Palazzo Pesaro, Venice. — Austin Hall, Cambridge, Mass. — Fireplace in Austin Hall. — St. Etienne du Mont, Paris, France. 151
THE LATE LUDWIG BOHNSTEDT. 151
THE *American Architect* STABLE COMPETITION. — V. 151
COMPARATIVE EFFICIENCIES OF STEAM AND HYDRAULIC ELEVATORS. 153
COMMUNICATIONS: —
Competitions. — A Question in Fire-proofing. — Size of Water-Tank. — Which is the Largest Building in New England? 153
NOTES AND CLIPPINGS. 154

AFTER debating for some time the question how we could best take advantage of our opportunities and facilities to promote the interests of architecture in this country, we have decided that one of the most seemingly promising ways open to us is to publish from time to time a series of what may be called "Monographs of American Architecture," and we now announce the speedy publication of the first of the series. The subjects of these monographs will probably at first be the same buildings that are published as gelatine plates in our gelatine edition — but at a larger scale — shown both in general views and in detail. Of these details there will be in each case as many as the architectural features of the building may warrant, — a variable quantity with each building; so that the number of plates belonging to each monograph will sometimes be more or less than those in the preceding issues, and consequently it is quite probable that the price will be adjusted to each case. As to this, since our purpose is not to publish *editions de luxe*, but something of value to poor as well as rich architects — if there be such — we can at this stage of proceedings only say that the price will be as moderate as possible. The first monograph will be Austin Hall, which is published as a gelatine plate with this issue, and will be illustrated by eighteen gelatine plates.

WE have not much fear that there is any truth in the rumor that General Rosecrans is to be rewarded for "party service" by superseding as architect of the Capitol, Mr. Edward Clark, the present incumbent, who has held the position undisturbed for many years, discharging the duties he has been called on to perform — the completion of unfinished portions, the alterations of the legislative chambers, and the designing of new work — to the *marked* acceptance of every one. Not only would such a substitution be contrary to what, on general principles, might be expected of President Cleveland, but he has as Governor of New York had unusual facilities for learning what qualifications are likely to be desirable in the architect of a great public building, and by his treatment of the questions concerning the Albany Capitol submitted to him as Governor, he has shown that he has appreciated them at their proper value. No hint that Mr. Clark was considered by any one as not entirely qualified for the position, or that he could in any way be considered as holding a political office, and therefore subject to removal, has ever reached us. If it had been General Meigs who had been mentioned as Mr. Clark's successor there would have been a reasonableness about the suggestion which the present one lacks, for it would be in his case, in a sense, the resumption of an interrupted task. No, a great public building is as susceptible of disease, and resents the application of improper cures, as much as does the human body, and to entrust it to a political war-horse every fourth year would be as fatal as to attempt to prolong life by living on the nostrums of a quack changed every four years.

ONE result of the recent burning of a private house in Philadelphia, which caused the death of all but one of the inmates, was the extraordinary demand that followed for life-ropes, fire-extinguishers, hand-pumps, and all the make-shift safeguards which exist because safe buildings do not. The temporary effect of the burning of the Langham Hotel, at Chicago, Ill., last Saturday, at which, thanks to its occurring early in the evening, only five or six persons lost their lives, may be somewhat similar, but permanent effect there will be none. Other buildings, elsewhere if not in Chicago, never intended for hotels, will be altered so as to form huge caravansaries with labyrinthine passages, as in this case; with eight or ten wood-lined air-shafts, as in this case, and heated by stoves in the lower story, whose smoke-pipes, as in this case, will traverse partition after partition, till they reach the chimney ascending alongside the elevator-shaft. Self-interest is the target at which to aim, and though public opinion and the most enlightened of the insurance companies are doing something to encourage better building, it makes one ache to think how slow the progress is. Some philanthropist with plenty of money to risk in defending libel suits might do a deal of good by ferreting out such fire-traps and mercilessly exposing them in the newspapers, not only once, but again and again, till the publicity has affected the owner's pocket and at last he sees that the alternatives are ruin or reconstruction. It might not be a wholly bad plan to authorize building inspectors to advertise such places in the daily papers continuously as notoriously unsafe. Almost anything would be better than the cruel destruction of life and property that goes on year after year, almost unchecked.

THE second annual competition for the Rotch Travelling Scholarship will begin at the Museum of Fine Arts, Boston, on Saturday, April 4, at nine o'clock, and, as before, will be open to young men under thirty years of age who have been employed for two years at least in the offices of Massachusetts architects. In general the examinations will be conducted on the same line as last year; but in one point a change, an advantageous one, has been made: the aspirants admitted to the final competition in design will be allowed but two weeks in which to work out their *projet*, and, as a consequence, their anxiety and the strain under which some would probably work will be halved, while we believe that the temptation that was offered by the longer period of last year to prepare for and carry out elaborately finished drawings being now removed, the attempt will be more in the line of strict architectural effect than in that of mere draughtsmanship. The chance of winning the opportunity to spend two years in Europe ought to bring the best men to the front; and when he sees that the limit of age is fixed at thirty years, many a sedate married man may regret that he is not still a bachelor and free to try for the prize. If the winner this year will follow worthily the example set by the holder of the first scholarship, the founders should feel well satisfied.

A PAPER was recently read before the Conservatoire des Arts et Métiers in Paris, by Dr. Hector George, and reported by *Le Génie Civil*, on the early treatment of cases of accident to workmen. Notwithstanding all the precautions which are now taken in the best managed manufactories, an appalling number of such accidents occur every year, and their sad consequences might be greatly alleviated if all workmen were made familiar with the simple rules which Dr. George collected in his discourse. The first class of wounds treated of comprises those caused by crushing or tearing, such, for instance, as the result of striking a finger or thumb by a misdirected blow of a hammer, or of having the arm or hand caught in belts or gearing. The consequence of these accidents is usually a pounding and crushing of the flesh, and often of the bones, which is apt to result in mortification, and the common practice of surgeons in such cases is to amputate the injured member at once. According to Dr. George, however, if the patient is treated in time, the limb can often be saved by the simple application of water. During the period of the Napoleonic wars, to follow the doctor's story, while testing cannon at Strasbourg, eleven artillery-men were injured, either by the premature explosion of the guns or by the bursting of imperfect pieces, and were brought into the hospital together. The wounds, some of which were caused by the tearing of the hands by the explosion of guns while the cartridge was being rammed into place, while others were contusions from flying

AND CLIPPINGS.

— One day a Parisian, whose wits consti- eligible plot of building land at the corner that the man who built a house there ome twenty yards further away he noticed ing land covered with building materials. t the corner plot belonged to a Breton on the Bourse, and was living economi- The plot with the building materials rated doctor who died a couple of years n action has been pending for the last urts of Auvergne. Our swindler, sure of time, at once went to a young architect, s for a fine mansion at the corner. After s, he authorized the architect to make an and to use the materials on the other plot, he work went merrily on, and the sharper om he had sold shares in gold and silver to admire it. At the sight of such splen- te to advance him all the funds he asked here below. One day the Breton noble- to look at the land that want of means oductive. He was of course delighted at et his gaze, and inquired of the builder actor to whom he owed it. The builder , who referred him to the pseudo-owner, home for many days. He was, in fact, in some imprudent act he had committed in nk of France. His affair, as the French mpt to deny it. Only during his trial he pressible laughter. On the judge repri- what he saw in the matter to make him that he could not help laughing when he of actions-at-law his building freak would a long one, and has already begun. The the architect the Breton nobleman, who n and under his land belongs to him; the e Breton for the materials, and the old leading that the land, building and ma- curity for the money advanced. Such is d by the Parisian correspondent of the

ity to be classed as a building material, he ice palaces erected at Montreal, at the st three years show what can be accom- ature is always below the freezing point he Dominion Square, at Mont- feet 4 inches square and 15 were n this structure, which covers y 100 feet. At each end are embattled sides, pairs of round towers extend to a trances between these towers lead to the the centre of the palace reaches to a nnected to the other series of towers by ce are brought from the Lachine Canal little water is poured over the bed of the t the sides until securely frozen in place. illuminated with electric lights, and at reworks are thrown over the structure, e square. The first ice palace built at a roof made of boughs which was ren- upon them, but for the last two years no of. The ice decorations of this city for the palace, for in the Champ de Mars, a ndoo origin "the Condora," is built from ine it is a stepped cone, 50 feet in diame- surmounted by a snow statue 24 feet in an with snow-shoes. In its construction centric walls increasing in height as the proached from the interior, and during the s of the members of the snow-shoe clubs ng the Condora, and add to the brilliancy he architect of the Condora is Theodore ird ice structure is the colossal statue of ncent, of Montreal, and situated in the is 20 feet high and surrounded by four ing hollow and illuminated by electric ne effect at night. The lion was built up d so that it is frozen into a hard mass. atue of a lion was cut out of ice at Lu- n Meinert. The only precedent of any y the one built on the banks of the Neva the Empress Anne. This was a smaller 18 feet by 56 feet, and measuring 21 feet published accounts of the elaboration of possibility that

the tale was told,
ll, growing as it rolled.

indow frames were colored to represent s were formed of sheets of ice so thin as for glass. The palace was guarded by ges, all of ice. One-twelfth of the usual his time — was used in this ordnance; and ectile was sufficient to pierce a two-inch elephant with his mahout and several dol- ne, projected fountains of lighted naphtha eplaces and dining-tables, dressing-rooms he schedule of furnishing, but when the the drawing-room contained a timepiece as if the description was not limited to

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

313,480. Brick, Tile, Drain-Pipe, etc. — Henry Dickson, Pittsburgh, Pa.
313,491. Stone-Lifter. — Robert N. Gowell, Ashburnham, Mass.
313,492. Ventilator. — Charles E. Grannise, New Haven, Conn.
313,501. Fire-proof Building Material.—John C. Kerner, St. Louis, Mo.
313,503. Fastening for Meeting-Rails of Sashes.—Edward O. Ladd, Everett, Mass.
313,506. Method of attaching Slates to Roofs. — George Martin, Boston, Mass.
313,511. Balcony and Fire-Escape combined.—Cleophas Monjeau, Middletown, O.
313,522. Hardening and Coloring Serpentine Rock.—J. J. Pratt, Wakefield, Mass.
313,535. Wood Ornamentation. — Wm. H. Roystone, Corona, N. Y.
313,540. Bench-Plane.—Roscoe S. Sheldon, North Greenfield, Wis.
313,550. Hydraulic Lift. — John S. Stevens and Charles G. Major, Battersea, County of Surrey, and Thos. W. Barber, Ulverston, County of Lancaster England.
313,559. Adjustable Roof. — Louis D. Vogel, Boone, Iowa.
313,580. Combined Sash-Fastener and Sash-Lift.—George L. Elliott, New York, N. Y.
313,590. Hasp-Lock.—Ephraim Hambujer, Detroit, Mich.
313,594. Latch.—Samuel Ide, Medina, N. Y.
313,611. Smoke-consuming Furnace. — Orel D. Orvis, New York, N. Y.
313,617. Tool for making Beadings or Mouldings. — Lawrence V. Poole and Orlando E. Williams, Windsor, Vt.
313,620. Gutter for Sewers. — Gustavus W. Rader, New York, N. Y.
313,626. Hand-Easel. — Harriet A. Sawyer, St. Louis, Mo.
313,638. Sash-Fastener. — Nelse Wilson, Hutto, Tex.
313,643. Stone-sawing Machine.—R. Lester Barney, Swanton, Vt.
313,674. Window-Bead Fastener. — Edwin A. Johnson, Allegheny City, Pa.
313,675. Fireplace.—Rueben R. Jones, Sprague, Wash. Ter.
313,687. Window-Sash Pull.— Henry B. Sargent, New Haven, Conn.
313,692. Door-Key. — Thomas Taylor, Norwalk, Conn.
313,694. Joiner's Plane. — William Tidgewell, Middletown, Conn.
313,709. Fire-Escape.—Henry Chamberlain, Waupaca, Wis.
313,722. Knob-Attachment. — John J. Gordon, Detroit, Mich.
313,723. Leveling-Instrument. — Christian C. Götze, Cöthen, Germany.
313,724. Automatic Fire-Extinguisher. — Almon M. Granger, Medford, Mass.
313,739. Auger-Handle. — William A. Ives, New Haven, Conn.
313,742. Threshold.—Simon A. Kintner, Ney, O.
313,769. Eaves-Trough Hanger. — George Reznor, Mercer, Pa.
313,823. Composition for Curing Paving-Blocks or Bricks.—Thomas A. Huguenin, Charleston, S. C.
313,842. Device for Preventing Accidents in Elevators.—Marcus L. Wright, Newton, N. J.

SUMMARY OF THE WEEK.

Baltimore.

Building Permits. — Since our last report twenty-seven permits have been granted, the more important of which are the following: —

F. S. & G. L. Brown, two-st'y brick machine-shop, 43' x 90', n e cor. Fort Ave. and Patapsco St.

Mary J. Lindall, etc., 3 three-st'y brick buildings, w s McKim St., n of Chase St.

G. W. Moke, Jr., 15 two-st'y brick buildings, e s Vincent Alley, n of Baltimore St.

Aug. Degenhart, 4 three-st'y brick buildings, s s Preston St., between Valley St. and Holland Alley.

Thos. H. Black, 2 two-st'y brick buildings, w s Holbrook St., s of Hoffman St.

J. W. Gilpin & Bro., one-st'y brick warehouse, 35' x 100', s s Fort Ave., between Webster and Boyle Sts.

Boston.

Building Permits.— *Wood.* — *M St., No.* 144, dwell. and store, 25' x 40'; Cabel Kimball, owner; Cabel Kimball, builder.

M St., Nos. 146-148, 2 dwells., 20' x 31'; Cabel Kimball, owner; Cabel Kimball, builder.

East Seventh St., near H St., dwell., 20' x 31'; John Hooton, owner; E. P. Power, builder.

Evans St., near Milton Ave., stable, 20' x 31'; James Whitney, owner; Jacob Haddock, builder.

East Ninth St., No. 509, storage, 22' x 40'; Lyman Locke, owner; Lyman Locke, builder.

Mabreon St., near Ashford St., stable, 18' x 24'; Walter Connery, owner; Poore & Curry, builders.

Skinner St., near South St., dwell., 24' x 31'; Mrs. Dame, owner; Geo. Dame, builder.

Allston St., near Moss Ave., dwell., 27' x 30'; Ferdinand Morse, owner; C. F. Stillings, builder.

Coleridge St., near Short St., dwell., 22' x 23' 6''; Robert Coosbie, owner.

Saratoga St., near Austin Ave., dwell., 23' x 30'; D. Atwood, owner.

Coleridge St., near Bryon St., dwell., 22' x 23'; Robert Coosbie, owner.

Commercial St., near Dorchester Ave., dwell., 18' x 42'; Charles E. Ricker, owner; Charles E. Ricker, builder.

Winslow St., No. 32, dwell., 23' x 39'; Thomas Ginan, owner; Thomas Ginan, builder.

Brick.—Greenwich Park, Nos. 37-39, 2 dwells., 18' 9'' x 41'; W. H. Smith, owner, W. H. Smith, builder.

Carlton St., dwell., 18' 9'' x 41'; W. H. Smith, owner; W. H. Smith, builder.

West Greenwich Park, dwell., 41' x 38' 6''; W. H. Smith, owner; W. H. Smith, builder.

West Newton St., No. 263, apartment-house, 40' x 45'; H. H. Fitch, owner; J. E. Potter, builder.

Commonwealth Ave., No. 206, dwell., 25' x 69' 6''; Mrs. Dennis Flagg, owner; Silas Merrill, builder.

Huntington Ave., No. 144, near West Newton St., apartment-house, 45' x 60'; H. H. Fitch, owner; J. E. Potter, builder,

Brooklyn.

Building Permits.—*Clason Ave., Nos.* 472 *and* 472 *a*, w s, 299' n Putnam Ave., 2 three-st'y brick dwells., tin roofs, wooden cornices; cost, each, $5,000; owner, etc., J. J. Walker, 474 Clason Ave.

Bremen St., s e cor. Jefferson St., 3 three-st'y frame (brick-filled) stores and tenements, tin roofs; cost for all, $16,000; owner, etc., Joseph Frisse, 19 Ten Eyck St.

Park Ave., Nos. 751 *and* 753, n s, 82' w Delmonico Pl., 2 two-st'y frame (brick-filled) dwells., tin roofs; cost, each, $4,500; owners, Joseph Merk and Joseph Auer, cor. Delmonico Pl. and Park Ave.; architect, Th. Engelhardt; builders, Val. Bruchhaeuser and Joseph Frisse.

Park Ave., No. 691, n s, 275' w Tompkins Ave., three-st'y frame store and tenement, tin roof; cost, $4,000; owner and builder, John Eich, on premises; architect, Th. Engelhardt.

Bushwick Ave., Nos. 565 *and* 567, n e cor. Troutman St., 5 three-st'y frame stores and tenements, tin roofs; total cost, $25,000; owner, architect and builder, Jos. Frisse, 19 Ten Eyck St.

Graham Ave., n s, cor. Siegel St., three-st'y frame tenement, tin roof; cost, $3,000; owner and builder, Christian Bott, 92 Humboldt St.; architect, Th. Engelhardt.

Graham Ave., n e cor. Siegel St., four-st'y frame store and tenement, tin roof; cost, $7,500; owner, architect and builder, same as last.

Lincoln Pl., Nos. 129-137, n s, 225' w Seventh Ave., 5 three-st'y dwells., tin roofs; cost, each, $9,000; owner and builder, Wm. Gubbins, 20 Seventh Ave.; architect, C. Werner.

Monroe St., No. 642, s s, 372' 6'' e Stuyvesant Ave., 3 two-st'y brick dwells., tin roofs; cost, each, $3,500; owner and builder, Cornelius King, 531 Clason Ave.; architect, Geo. I. Chappell & Co.

Evergreen Ave., w s, 25' 6'' n Woodbine St., two-st'y frame (brick-filled) dwell., tin roof; cost, $3,000; owner, M. D. Booth, Evergreen Ave. and Woodbine St.; architects and builders, Simpson & Lowe.

Eighth St., n s, 350' e Seventh Ave., 8 two-st'y brown-stone dwells., tin and wooden roofs; cost, each, $5,000; owner, Charles Long, 450 Ninth St.; builder, J. F. Wood.

Twenty-first St., Nos. 153 *and* 155, n s, 185' w Fourth Ave., 2 four-st'y frame tenements, tin roofs; cost, each, $4,000; owner, M. E. Conlon, 117 Albany Ave.; architect and builder, J. E. Conlon.

Quincy St., s s, 250' w Reid Ave., two-st'y basement and attic brick dwell., tin and metal roof; cost, $5,500; owner and builder, Samuel Post, 815 Van Buren St.; architect, H. Vollweiler.

Quincy St., s s, 270' w Reid Ave., 10 two-st'y brick dwells., tin roofs, iron cornices; cost, each, $5,500; owner, architect and builder, same as last.

Hudson Ave., w s, 190' n Myrtle Ave., three-st'y brick tenement, gravel roof, wooden cornice; cost, $3,500; owner, Jos. B. Durfey, 158 Park Pl.; architect, Charles Werner; builders, L. MacNaughton and John Prosser.

Quincy St., n s, 200' w Sumner Ave., 5 two-st'y brown-stone dwells., tin roofs; cost, each, $5,000; owner, Wm. Johnstone, 224 St. Johns Pl.; architect, I. D. Reynolds.

Bergen St., s s, 125' e Nevins St., four-st'y brick tenement and one-st'y brick stable, tin roof; total cost, $10,000; owner, John Harvey, 627 East Sixteenth St., New York; architect, I. D. Reynolds; builder, O. Nolan.

Linden St., n s, 200' w Bushwick Ave., 4 two-st'y brick dwells., tin roofs; cost, each, $4,000; owner, S. M. Meeker, 64 Broadway; architect, E. F. Gaylor; builder, J. Rueger.

Van Cott Ave., or *Fifth St.*, s s, 156' 6'' e Union Ave., one-st'y brick smelting-works, tin roof; cost, $4,000; owner, D. Culhane, 87 Fourth St.; architect, A. O. Hoddick.

Marion St., n e cor. Howard Ave., 4 two-st'y frame dwells., brick-filled; cost, each, $2,500; owner and architect, Augustus B. Pettit, 283 Chauncey St.

Sixth Ave., s w cor. Prospect Ave., 10 three-st'y frame tenements, tin roofs, iron and brick cornices; cost, average, $3,500; owner, architect and builder, James H. Darrow, 490 Eighth Ave.

Halsey St., n s, 178' 6'' w Broadway, three-st'y brick car-house and stable, gravel roof; cost, $35,000; owners, Brooklyn City R. R., 10 Fulton St.; architect, A. W. Dickie.

Manhattan Ave., No. 215, four-st'y brick store and tenement, tin roof, iron cornice; cost, $9,000; owner, W. Heinrichs, 122 Franklin St.; architect, H. Vollweiler.

Vernon Ave., n s, 40' w Sumner Ave., 2 two-st'y brown-stone dwells., tin roofs; cost, $4,500 each; owner, Adela Loughi, Willoughby Ave., cor. Sumner Ave.; architect and builder, A. Miller.

Garden St., e s, *No.* 25, three-st'y frame (brick-filled) tenement, tin roof; cost, $4,000; owner, Martin Stumph, 245 Stanton St., New York; architect, H. Vollweiler.

Frost St., No. 189, n s, 50' w Humboldt St., three-st'y frame tenement, tin roof; cost, $4,000; owner, John H. McKenna, 106 Skillman Ave.; architects and carpenters, Sammis & Bedford; masons, Doyle & Brazil.

Johnson St., Nos. 240 *and* 244, s s, 40' w Raymond St., 3 three-st'y brick tenements, tin roofs; total cost, $10,000; owner and builder, Peter Barrett, 246 Johnson St.; architect, J. M. Farrell.

Floyd St., No. 129, three-st'y frame (brick-filled tenement, tin roof; cost, $3,000; owner, Mrs. M. Mullen, 131 Floyd St.; architect, C. F. Eisenach.

Montague St., n s, 81' e Hicks St., seven-st'y apartment-house, mansard, slate and metal roof; cost, $55,000; owner, W. Zeigler; architects, Parfitt Bros.; superintendent of construction, W. C. Bush.

Montague St., n s, about 157' e Hicks St., 2 seven-st'y apartment-houses; mansard, slate and metal roofs; total cost, $140,000; owner, Henry Weil; architect, etc., same as last.

Quincy St., n s, 225' e Sumner Ave., 6 three-st'y brown-stone dwells., tin roofs; cost, each, $5,000; owner, Wm. Godfrey, 348 Monroe St.

Maujer St., n s, 125' e Graham Ave., 3 four-st'y frame (brick-filled) stores and dwells., tin roofs; cost, each, $4,000; owner and builder, Wm. Young, 290 Devoe St.

Grand St., No. 566, 75' w Humboldt St., four-st'y brick store and tenement, tin roof; cost, $6,000; owner and architect, Phillip Light; builders, Ulrich Maurer and Michael Metzen.

Butler St., n s, 280' w Bond St., three-st'y brick tenement, tin roof; cost, $4,000; owner, Mary Lynch, 604 Carroll St.; architect, I. D. Reynolds.

Jackson St., No. 110, s s, 125' w Ewen St., three-st'y frame (brick filled) tenement, tin roof, cost, $4,500; owner, Jacob Zermann, on premises; architect and builder, J. J. Smith.

Middleton St., n s, 100' w Harrison Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,000; owner and builder, F. Mossetter, Harrison Ave., cor. Middleton St.; architect, Th. Engelhardt.

Humboldt St., Nos. 75, 77, 79 *and* 81, n w cor. Moore St., 4 three-st'y frame (brick-filled) stores and tenements, tin roofs; cost, each, $4,000; owner and builder, Christian Bott, 92 Humboldt St.; architect, Th. Engelhardt.

Atlantic Ave., s s, 391' 4'' e Utica Ave., 8 two-st'y frame (brick-filled) dwells., gravel roofs; cost, each, $1,800; owner, Thomas Quinn, Franklin Ave. and Butler St.; architect, Amzi Hill; builders, W. S. Montgomery and D. Smith.

Putnam Ave., n s, 295' e Tompkins Ave., 5 two-st'y and three-st'y in rear brown-stone dwells., tin roofs; cost, each, $5,500; owner, etc., Arthur Taylor, 329 Herkimer St.

Alterations. — *Broadway*, s e cor. Third St., new store-fronts, etc.; cost, $4,000; owner, James L. Truslow, 48 Broadway; architect, E. F. Gaylor; builders, Jenkins & Gillies.

Broadway, No. 1227, add two stories; cost, $3,000; owner, F. Graeber, on premises; architect, F. Holmberg; builder, not selected.

Chicago.

Building Permits. — J. Rivers, three-st'y flats, 704 Eighteenth St.; cost, $3,500.

J. Sokup, three-st'y store, 1228 Milwaukee Ave.; cost, 13,000; architects, Schaub & Berlin.

C. Kahler, three-st'y store and dwell., 478 Ogden Ave.; cost, $6,000.

M. McNeilis, two-st'y dwell., Loomis St.; cost, $4,000.

H. H. Gage, two-st'y store, 242 Lake St.; cost, $4,000.

Mrs. S. Anderson, two-st'y store and dwell., 2944 Wentworth Ave.; cost, $4,000.

J. B. Whitmore, two-st'y dwell., 969 Central Park Ave.; cost, $2,500.

B. Machowski, two-st'y dwell., 413 Seventeenth St.; cost, $2,800.

Ed. Lehman, 2 three-st'y store and dwell., 487-489 Ogden Ave.; cost, $8,000; architects, R. Ray, Jr. and Wm. Drake.

F. B. Clark, 4 three-st'y store and dwells., 876-878 West Polk St.; cost, $14,000; architect, R. Ray, Jr.

H. Sortman, three-st'y dwell., 200 North Green St.; cost, $3,500; architect, Wm. Drake.

M. Hickman, two-st'y flats, 15 Warren Ave.; cost, $5,000; architect, W. Strippleman.

J. Pietsch, two-st'y flats, 751 Jefferson St.; cost, $3,000.

S. Blaisdell, three-st'y stores and dwells., 436 Ogden Ave.; cost, $5,500; architects, Edbrooke & Burnham; builder, W. P. Fitzpatrick.

T. Davies, three-st'y store and dwell., 413 Ogden Ave.; cost, $4,500; architect, R. Ray, Jr.

T. Pepper, three-st'y store and dwell., 3204 South Robey St.; cost, $3,000.

A. B. Peck, three-st'y store and dwell., Chicago Ave.; cost, $15,000; architect, J. Addison.

Mrs. L. M. Hopkins, two-st'y flats, 488 Hermitage Ave.; cost, $3,500.

Lauthmann & Rosenbaum, 2 three-st'y store and dwell., 238-240 Division St.; cost, $12,000.

J. W. Odell, two-st'y barn; cost, $2,500.

C. C. Wiedling, two-st'y store and dwell., 241 West Forth Ave.; cost, $7,000; architects, Schaub & Berlin; builders, Eich & Otto.

Mrs. George, two-st'y dwell., 501 Ogden Ave.; cost, $2,700.

O. Coyne, four-st'y store and dwell., 923 Blue Island Ave.; cost, $8,000; architect, R. B. Lawrence.

J. Campbell, 2 basements, 152-154 North Green St.; cost, $3,000.

The Board of Education, three-st'y school-house, Ashland and Waubansia Aves.; cost, $40,000; architect, J. J. Flanders; builder, J. Oleson.

Cincinnati.

Stores.—Mr. J. M. Rawson is to build on the s w cor. of Sixth and Elm Sts., a six st'y building for stores. The upper floors being arranged so they can be

The antiseptic properties of lime upon the only element of uncertainty being l salt deposits in the pores of the wood ıs. The experience of five years shows , and may be retarded by paint. It is us may be applied more thoroughly to s are still open and capable of absorb- stock, which cannot have so much per-

---

rchitecture. — The Montreal *Witness* in architecture in this country: "The take the lead of older countries in the s it is natural that it should. A rapidly requiring new conveniences, offers the est men of the age, and scarce a week rated papers are not adorned with pic- ing, grand in extent, of original design ie young Western cities which have are fairy lands as compared with the

---

he National Gallery for Twenty- y return has been issued showing the s of the National Gallery in each year m moneys provided by Parliament in total sum so expended during that rt from the years 1871–2 and 1872–3, e smallest amount expended in any one largest £76,590 (1870–1). This is by a n any year embraced in the return, the 200 in 1882–83. The figures for other s. During the period mentioned, no a sum of or exceeding £10,000, but the ant have been paid for groups of pic- e out of one collection: £75,000 for 77 ased from Sir Robert Peel's collection s from the Barker collection in 1874–5, n the Duke of Hamilton's collection in

---

ndent of a Yorkshire paper discusses a work for gas companies. Living in a ssantly obscure the sky with clouds of nun that this horrible pall represents l as of fuel. The bigger the chimney, from re or furnace beneath, and is al ly wasted. But if gaseous there be no smoke, therefore no and consequently the whole heat gene- urther claimed that boilers would last would be less by one-fourth. Unfortu- etical experience with the two sorts of as, while very much to be preferred for much more expensive. It is possible, ld manufacture a less costly article for vey for illumination. — *N. Y. Evening*

— A party of French Engineers and s, charged with making the necessary struction of the harbor in the Bay of l Mellah, in connection with the canal ommunication between the Mediterra- e remembered that, in the early spring up to those great marsh lakes in South- tion to convert into a vast inland sea, ts of the late Colonel Roudaire's survey, l that the scheme was practicable. The ted will also make investigations as to n wells along the route, and the survey ereafter be thought necessary to con- tion is Commandant Landas, Professor Saint Cyr. He is accompanied by M. Roudaire in making the preliminary neers. It may be advisable to recall to port on the undertaking which M. de arn from Tunis in 1883. It states that h, which is to be the beginning of the be inundated, offers a part, covered at n which might easily be excavated, and nature from all the winds from north- st. The winds from northeast to south be dangerous to the breakwaters. The are, moreover, in exactly the same situ- avigation in the canal, according to the y, as the canal would form almost a s rocks found by Colonel Roudaire's f the Gabes bar, but of comparatively antage rather than an inconvenience at ill furnish the requisite material for the t buildings. M. de Lesseps thinks that, il traversed, it will be sufficient to cut, the average 80 to 100 feet wide, which e action of the current. This cutting num period of five years, at an estimated sed inland sea would be fifteen times as It has an elevation much lower than the depression being in some places as l. — *London Iron.*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

313,844. Combined Screen and Storm-Door. — Charles Anderson, Downer's Grove, Ill.
313,852-853. Roofing Finishing. — Lewis D. Cortright, Hyde Park, Ill.
313,859. Blind-Tenon. — John Forhan, New York, N. Y.
313,865. Ventilating-Louvre. — George Haven, New York, N. Y.
313,867. Tank. — Elijah Hines, Batavia, Ill.
313,876. Refrigerator-Door. — George A. McArthur, Pullman, Ill.
313,883. Steam-Radiator. — Leon H. Prentice, Waukegan, Ill.
313,887. Elevator. — George H. Roehm, Dayton, O.
313,888. Lock-Bolt for Doors. — John B. Schroder, Cincinnati, O.
313,913. Apparatus for Treating, Seasoning and Preserving Timber. — John B. Blythe, Bordeaux, France.
313,919. Blind-Slat Fastening. — Eben M. Coffin, Hubbardston, Mass.
313,921. Weather-Strip. — John Cortrell, Scholl City, Mo.
313,930. Brick for Veneering Frame Houses and other Wooden Buildings. — Millard F. Ellis, Atchison, Kans.
313,941. Electric Bell. — Charles E. Kells, Jr., New Orleans, Kans.
313,942. Bar for Securing Doors and Shutters. — Charles H. Knauer, Phœnixville, Pa.
313,943. Bench-Dog. — Martin J. Kugler, Barnesville, O.
313,950. Bit-Brace. — Johannes T. Pedersen, Brooklyn, N. Y.
313,971. Fire-Proof Composite Roof. — Thomas H. White, St. Louis, Mo.
313,998. Hot-Air Generator for Fireplaces. — Jesse S. Deardorff, Canal Dover, O.
314,005. Hanging Door. — Charles W. Emerson, Charlestown, Mass.
314,011. Lock-Mortising Chisel. — Philo L. Fox, Bridgeport, Conn.
314,022. Brick. — William Heard, Brooklyn, N.Y.
314,026. Illuminating Basements. — Peter H. Jackson, San Francisco, Cal.
314,058. Bench-Hook. — Joseph B. Sargent, New Haven, Conn.
314,075. Assembling-Bolt. — J. Galusha Staunton, Ellicottville, N. Y.
314,076. Roof. — J. Galusha Staunton, Ellicottville, N. Y.
314,105. Hinge-Lock for Shutters. — Serena M. Carnes, New York, N. Y.
314,114. Manufacture and Preservation of Articles of Gypsum, Stucco, or the Like. — Maximilian Dennstedt, Tzscheoheln-Niederlausitz, Prussia, Germany.
314,128. Radiator. — William Hopkins, Dubuque, Iowa.
314,145. Water-Closet. — James Muirhead, Olneyville, R. I.
314,147. Hasp-Lock. — Charles Neblet, Cincinnati, Ohio.
314,162. Sash-Fastener. — John Ashton, Philadelphia, Pa.
314,177. Door-Hanger. — George W. Hey, Syracuse, N. Y.
314,201. Sash-Supporter. — Jason D. Simmons, Chicago, Ill.

SUMMARY OF THE WEEK.

Baltimore.

Building Permits. — Since our last report thirty-one permits have been granted, the more important of which are the following: —

W. H. Falconer, three-st'y brick building, s s Franklin St., between Greene and Paca Sts.

Chas. L. & J. S. Clark, 5 three-st'y brick buildings, w s Eden St., commencing cor. Oliver St.

P. McGuire, three-st'y brick building, e s Pine St., n of Baltimore St.

J. T. Grindall, 5 two-st'y brick buildings, e s Battery Ave., s of Fort Ave., and 6 two-st'y brick buildings, w s Battery Ave., s of Fort Ave.

C. J. Fox, 8 three-st'y brick buildings, e s John St., commencing s e cor. McMechen St.

J. H. Themeyer, three-st'y brick building, e s Caroline St., between Lancaster and Thames Sts.

Wm. Aimey; 19 two-st'y brick buildings, w s Hanover St., between Wells and Winder Sts.

D. E. Potter, 12 two-st'y brick buildings, e s Race St., commencing s e cor. Cross St.

Henry Cronhard, three-st'y brick building, s s Madison St., between Spring and Caroline Sts.

Boston Fear, 7 two-st'y brick buildings, s s Winchester St., w of Fremont St., and 8 two-st'y brick buildings in rear.

Boston.

Building Permits. — *Wood.* — *Quincy St.*, cor. Blue Hill Ave., dwell., 25' 6" x 38'; Benjamin Pope, owner; Max Wiese, builder.

Tremlett St., cor. Washington St., dwell., 24' x 36'; John French, owner and builder.

Fairview St., cor. Proctor St., dwell., 22' x 32'; John Fraser, owner and builder.

East Chester Pk., junction Swett St., store, 36' x 38'; J. McBarron, owner; James Hanning, builder.

Evans St., cor. Corbett St., dwell., 23' 6" x 32'; W. A. McAuley, owner and builder.

Sheridan Ave., *No.* 43, dwell., 24' x 30'; T. B. Hall, owner; M. Sullivan, builder.

Brooks St., *No.* 22, dwell., 22' 6" x 36'; D. Murphy, owner; A. J. McLaven, builder.

Brooks St., *No.* 20, cor. Chelsea St., dwell., 22' 6" x 36'; D. Murphy, owner; A. J. McLaven, builder.

Dana Pl., dwell., 20' x 40'; A. B. Pinkham, owner; Pinkham & Russell, builders.

Dana Pl., dwell., 20' x 40'; C. A. Russell, owner; Pinkham & Russell; builders.

Ray St., near Regent St., dwell., 22' x 40'; W. A. Whelan, owner; Pinkham & Russell, builders.

Brick. — *Albany St.*, *No.* 157, dwell. and store, 19' 6" x 55'; Joseph Graham, owner and builder.

Middlesex St., *Nos.* 65-67, apartment-house, 24' x 50'; N. & S. A. O. Sullivan, owners; Sullivan Bros., builders.

St. Botolph St., *No.* 117, dwell., 25' x 64'; G. M. Gibson, owner; Thomas R. White, builder.

St. Botolph St., *No.* 119, dwell., 25' x 64'; R. H. Allen, owner; Thomas R. White, builder.

St. Botolph St., *Nos.* 121-133, 7 dwells., 25' x 64'; Z. N. Thompson, owner; Thomas R. White, builder.

Dover St., *No.* 68, cor. Shawmut Ave., dwell., 20' 6" x 58'; H. H. Fitch, owner; J. E. Potter, builder.

Dover St., cor. Hingham St., dwell., 24' x 58'; Trustees; J. E. Potter, builder.

Brooklyn.

Building Permits. — *Fifth Ave.*, w s, 25' s Warren St., three-st'y brick store and tenement, tin roof, wooden cornice; cost, $7,000; owner, Wm. H. Chubb, 430 Wyckoff St.; architect, C. Werner.

Woodbine St., n s, 125' w Evergreen Ave., 2 two-st'y frame dwells. (brick-filled), tin roof; cost, $3,000; owner, architect and builder, Frederick Marryatt, 77 Woodbine St.

Greene Ave., s s, 300' w Tompkins Ave., 5 three-st'y brown-stone dwells., tin roofs; cost, $6,000; owner and builder, R. C. Addy, 592 Willoughby Ave.

De Kalb Ave., n s, 222' 8" w Myrtle Ave., 2 two-sty, frame dwells. (brick-filled), tin roof; cost, each, $1,800; owner and architect, James W. Lamb, 84 Bushwick Ave.; builder, A. J. Lamb.

Scholes St., *No.* 259, s s, 400' e Bushwick Ave., three-st'y frame tenement (brick-filled), tin roof; cost, $4,000; owner and architect, Charles Mitchel, 256 Scholes St.; builders, C. Buchheit and C. Wiebauer.

Third Pl., n s, 161' e Henry St., 4 three-st'y and basement brown-stone dwells., tin roofs; cost, each, $5,000; owners, John and Jas. Williamson, 23 and 25 Third Pl.; architect, M. J. Morrell; builder, P. J. Carlin; contractor not selected.

Clinton St., s w cor. Union St., 6 three-st'y Connecticut brown-stone dwells.; and *Union St.*, s s, 81' 8" w Clinton St., 2 three-st'y and basement Connecticut brown-stone dwells., tin roofs; cost, each, $6,500; owner, Julius Wadsworth, New York; architect and builder, George Lowden.

Dean St., s s, *No.* 1294, two-st'y and basement dwell., tin roof; cost, $4,500; owner, H. D. Eastman, 1292 Dean St.; architect, J. T. Miller; builder, W. W. Eastman.

Quincy St., s s, 293' e Reid Ave., 2 two-st'y front and three-st'y rear brick dwells., tin roofs; cost, each, $4,500; owner, A. S. Walsh, 643 Madison St.; architect and builder, A. Miller.

Lexington Ave., s s, 100' w Nostrand Ave., 18 two-st'y brick dwells., gravel and tin roofs; cost, about $4,200 each; owners, Jos. P. Puch and Wm. J. Northbridge, Lexington Ave., cor. Nostrand Ave.; architect, F. F. Jones; builders, Alex. Vanvorst and Young Bros.

Johnson Ave., *Plank Road*, s s, 125' e old Bushwick Road, opposite L. I. R. R. freight depot, two-st'y frame storehouse, gravel roof; cost, $3,000; owners and architects, B. F. Conklin & Sons, Bushwick Ave., cor. Johnson Ave.; builders, J. Connor and J. Rueger.

Harrison Ave., *No.* 141, e s, 75' s Gwinnett St., three-st'y frame store and tenement (brick-filled), tin roof; cost, $4,000; owner and builder, Adam Kessel, 143 Harrison Ave.; architect, Th. Engelhardt.

Broadway, e s, 33' 1" s Ewen St., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $10,000; owner, F. Wiesbrod, on premises; architect, Th. Engelhardt.

Duffield St., *No.* 43, four-st'y and basement brick tenement, tin roof; cost, $8,000; owners, Parfitt Bros., Garfield Building.

Alterations. — *De Kalb Ave.*, s s, 100' e Bushwick Ave., three-st'y brick extension, tin roof; also, wood entrance taken down and rebuilt of terra-cotta; cost, $10,000; owners, Little Sisters of the Poor, De Kalb and Bushwick Aves.; architects, Parfitt Bros.; builders, E. T. Rutan and H. J. Brown.

Fulton St., *Nos.* 398–404, interior alterations; cost, $3,500; owner, John French, 469 Clinton Ave.; architect, John Mumford; builder, Cornelius Cameron.

Chicago.

Building Permits. — V. Slapak, three-st'y store and flats, 362 Eighteenth St.; cost, $9,000.

T. Colbenson, three-st'y dwell., 52 West Ohio St.; cost, $2,800.

H. B. Koenig, three-st'y dwell., rear 177 Wells St.; cost, $3,500.

Sanders & Rejon, three-st'y dwell., 91 Howe St.; cost, $4,000; architect, H. Sanders.

W. H. Thomas & Son, 5 cottages, 1093-1103 Hoyne Ave.; cost, $6,000.

W. H. Thomas & Son, 7 cottages, 156-168 Moore St.; cost, $8,000.

M. Hoy, three-st'y store and dwell., 89 Thirteenth Pl.; cost, $3,500.

J. Baumeister, two-st'y dwell., 156 Newbery Ave.; cost, $2,500.

J. Peklo, three-st'y store and flats, 582 Blue Island Ave.; cost, $9,000.

C. Lassau, three-st'y store and flats, 962 West Twelfth St.; cost, $7,500.

C. Panfrau, three-st'y flats, 76 Wilson St.; cost, 5,000.

F. H. Bailey, two-st'y dwell., rear 292 West Jackson St.; cost, $4,000.

J. Brucha, three-st'y dwell., 467 West Nineteenth St.; cost, $3,500.

J. Better, two-st'y store and dwell., 667 Ogden Ave.; cost, $2,500.

O. Knudson, basement and rear addition, 159 Hubbard St.; cost, $10,000.

J. Andrin, two-st'y dwell., 395 Ontario St.; cost, $7,500; architect, J. Addison; builders, Barney & Rodatz.

P. Benz, two-st'y dwell., 235 Irving Pl.; cost, $2,700; architect, T. Karls.

W. H. Pruyne, two-st'y dwell., 447 West Congress St.; cost, $4,500; architects, Wilson & Moody.

J. A. Schuster, two-st'y flats, 265 Dayton St.; cost, 3,300.

F. Brenning, two-st'y store and dwell., 728 Clybourne Ave.; cost, $3,500.

T. W. Snell, two-st'y dwell., 244 Burling St.; cost, $2,500.

M. Olsen, two-st'y dwell., 440 West Division St.; cost, $3,000.

F. Posta, three-st'y store and dwell., 171 Dekoven St.; cost, $8,000.

Chicago White Lead and Oil Works, four-st'y warehouse, 45-47 North Green St.; cost, $30,000; architect, F. H. Waescher; builder, Geo. Hinchliff.

D. Jaeger, three-st'y store and dwell., 315 Johnson St.; cost, $4,000.

A. Lonne, two-st'y dwell., 655 Lincoln St.; cost, $4,000.

C. Splinter, basement, 103 Chicago Ave.; cost, $3,000.

H. J. Cobb, two-st'y dwell., 72 Belleview Ave.; cost, $10,000; architects, Cobb & Frost; builders, Augus & Gendele.

F. Stiba, two-st'y dwell., 29 Newton St.; cost, $3,200.

W. H. Thomas, 4 three-st'y dwells., 8-14 South Morgan St.; cost, $20,000; architects, Wilson & Moody.

J. B. Chiappe, 2 two-st'y stores and dwells., 703-705 West Van Buren St.; cost, $5,000.

M. M. O'Hare, two-st'y store and dwell., 2404 Indiana Ave.; cost, $4,300; architect, A. McIntosh.

C. Kazminski, 2 two-st'y flats, 39-41 Orchard St.; cost, $3,000.

C. E. Loder, 5 two-st'y flats, 909-917 Harrison St.; cost, $18,000; architect, J. S. Huber.

J. Routa, two-st'y dwell., 433 Seventeenth St.; cost, $4,000; architect and builder, L. Novey.

Fortune Bros. Brewing Co., two-st'y barn; cost, $6,000.

B. Lathrop, store, cor. Dearborn and Van Buren Sts.; cost, $16,000.

A. Berkson Bros., three-st'y store and flats, 569 South Canal St.; cost, $6,000.

J. Daehla, two-st'y dwell., 418 North Lincoln St.; cost, $3,000; builder, A. Kollhorst.

J. Wihlin, two-st'y store and dwell., 61 West Ohio St.; cost, $6,000; architect, H. S. Kley.

Mrs. E. Blair, two-st'y dwell., 16 Clarkson Ct.; cost, $3,500; architect, J. Smith; builder, G. Hinchliff.

J. H. McVicker, 2 additional stories, 78-84 Madison St.; cost, $100,000; architects, Adler & Sullivan.

W. A. Stevens, three-st'y dwell., 2623-2625 Wabash Ave.; cost, $15,000; architect, L. B. Dixon; builders, Fox & Hinds.

C. Stigo, two-st'y store and dwell., 3250 Wentworth Ave.; cost, $4,100.

P. Tinkler, three-st'y flats, 30-32 Delaware Pl.; cost, $10,000; architects, Treat & Foltz; builder, L. Kabell.

J. Zahrenger, two-st'y dwell., 2917 Fifth Ave.; cost, $3,200; architect, Stude.

Mary J. Hodge, 3 two-st'y dwells., 549-551 West Jackson St.; cost, $12,000; architect, W. Strippelman; builder, D. H. Wilkie.

F. Schweinfurth, 8 two-st'y dwells., 2933-2945 Groveland Park Ave.; cost, $30,000; architect, W. L. B. Jenney.

Geo. Paul, two-st'y dwell., 781 Larrabee St.; cost, $5,000; builder, N. Gerten.

S. Svabader, two-st'y store and dwell., 619 Thirteenth Pl.; cost, $4,800.

M. C. Meyer, two-st'y store and dwell., 957 Ogden Ave.; cost, $3,500.

J. J. Huber, two-st'y dwell., 120 Orchard St.; cost, $3,500.

C. Appel, two-st'y dwell., 464-466 Larrabee St.; cost, $3,000.

J. Klein, two-st'y dwell., 617 West Chicago Ave.; cost, $3,000.

New York.

Club-House. — The Mount Morris Club will build a club-house on the s s of One Hundred and Twenty-fifth St., between Madison and Fifth Aves.

Houses. — It is reported that Messrs. Chas. Buek & Co. will erect, on the n e cor. of Madison Ave. and Sixty-ninth St., four first-class residences, at a cost of about $350,000.

Office-Building. — On the n s of Wall St.; between Broadway and Nassau St., a first-class office-building is to be erected, from designs of Mr. H. J. Hardenbergh.

Stores. — For the Hunter Estate, a five-st'y building 29' x 72' and 66' 7½" x 80' 3", is to be erected on the n w cor. of Reade and Hudson Sts., with fronts of brick, terra-cotta and iron, from plans of Mr. G. M. Huss.

Building Permits. — *Mulberry St.*, *No.* 194, two-st'y brick stable, gravel roof; cost, $9,000; owner, Patrick McCollum, 58 Prince St.; architect, Wm. Graul.

Norfolk St., *No.* 138, five-st'y brick store and work-shop, tin roof; cost, $4,000; owner, Wolf Boroschek, 156 Henry St.; architect, Wm. Graul.

Scammel St., e s, 47' n Cherry St., three-st'y brick stable, tin roof; owner, John Wallace, 55 West Thirty eighth St.; architect, Gage Insler.

Thirty-third St., n s, 81' e Third Ave., 4 five-st'y brick tenements and stores, tin roofs; cost, each,

period. The company has postponed compliance with the law until now a few months only remain of the specified period. Among the city newspapers is one which is supposed to be owned by a prominent holder of stock in the telegraph company, and no sooner did the last part of the term approach for laying the wires underground, than this same journal began a series of articles in the interest of the public health, explaining the dangers of excavating the filthy streets of the city during the hot weather, and pointing out the propriety of having such work, if once begun, stopped by the Board of Health. The writer of the articles fortifies his opinion by that of many eminent physicians, and there is no doubt that his apprehensions are in part justified, any extensive excavation, even in the middle of the city, having notoriously been followed by an epidemic of malarial diseases in the vicinity, while his theory that cholera is likely to be invited by disturbing the streets in hot weather, although a rather doubtful one, seems to have a certain basis of fact. Unfortunately, all these warnings and citations are made the subject of great mirth on the part of another newspaper, which openly attributes them to the desire of the proprietor of the former one to save himself, by misleading public opinion, the expense of laying his telegraph wires beneath the surface, and the degrading duel, between what the respective parties to it would have us believe to be unctuous hypocrisy and sneering malice, goes on day after day, to the entertainment, perhaps, of the vicious, but to the deep disgust of the rest of the world.

THE bill providing for the appropriation of the land about Niagara Falls as a public park has passed the New York Legislature, and there is now no doubt that the contemplated improvements will be made. These will consist mainly in sweeping away the mills which have clustered about the rapids above the Falls, and in abolishing the provoking enclosures which cut off access to the river except in certain places, the State for this purpose acquiring the title to the whole of the river bank for some distance above and below the Falls. If the action of the New York Legislature should be followed by corresponding action on the part of the Canadian Government, as is quite probable, the great cataract will once more become one of the most attractive resorts in the world. The cost to the State of taking and improving the river bank will not be great, and is to be distributed over the next ten years by the issue of bonds, so that the contribution which the average tax-payer will have to make toward the good work will be very small in proportion to the satisfaction which he will feel in having it accomplished.

AN interesting exhibition is projected for the coming autumn, to be held in Philadephia, under the auspices of the Franklin Institute, whose management of the Electrical Exhibition was so successful. The new exhibition is to be composed exclusively of novelties, and is to take its name from them, nothing being admitted except devices sufficiently recent to be new to the majority of visitors. In this age of inventions, there is no danger that the space will not be fully occupied, and the idea of limiting the exhibits to things which will be new to those who see them is a very happy one. The most serious question in the administration of such affairs is always to determine what to exclude, and if everything were excluded with which the general public were already familiar, the cream of most exhibitions would still remain, of all the better quality for not being diluted with uninteresting matter. The exhibition opens September 15, and continues a little more than six weeks, the last day being October 31.

THE Trustees of the Boston Museum of Fine Arts, an institution which, though very quietly managed, is gradually getting together a collection, or rather a series of collections, of very great interest and value, have recently published their ninth annual report. As is almost inevitable during the first decade of the life of such a museum, unless sustained by the public treasury, the ordinary receipts of money have fallen far short of the necessary expenses, but it is a satisfaction to know that more than one hundred and sixty-eight thousand persons have passed through the registering wickets, and have carried back with them, we venture to say, ideas which they will some time be glad to have acquired. During the past year the Museum has been so fortunate as to receive from the Archæological Institute of America the gift of the whole series of Greek antiquities obtained at Assos by the expedition under Messrs. Clarke and Bacon, comprising one hundred and fifty-six sculptured or inscribed pieces of marble or other stone, three hundred and forty pieces of pottery, twenty-seven of glass, three of gold, fifty-seven of other metals, and eight hundred and fifty-one coins. Considering that these are all from one of the most isolated and purely Greek towns of Asia Minor, the Museum is to be congratulated upon its possession of this collection, which for interest to scholars and archæologists is unrivaled on this side of the Atlantic. Besides the Assos sculptures, the Museum has received during the past year, unfortunately only as a loan, two noble Etruscan sarcophagi covered with sculpture of great force and dignity, which students of architecture, as well as of sculpture, who may have the opportunity, would do well to examine attentively, for their artistic as well as their historical interest. In the way of paintings, the Museum has been so fortunate as to be able to show through the whole or a part of the year both Regnault's Automedon and Bastien-Lepage's Jeanne d'Arc, two of the most renowned pictures which the modern French school has produced; and has acquired, by bequest from the late Thomas G. Appleton, one of its most devoted friends, three Troyon pictures, besides one by Constable, and a sketch by Tintoretto.

THE author of most of the novelties which made the Madison Square Theatre, in New York, so interesting, has introduced more of the same kind in the new Lyceum Theatre, in the same city, now in the hands of the decorators. The most conspicuous peculiarity about the theatre is, perhaps, the movable orchestra-pen, or rather pavilion, which is an ornamental structure extending across the whole proscenium opening, level with the stage, so that this, with everything on it, is concealed as effectually as by a curtain. While the setting of the stage is going on, the orchestra, multiplied by mirrors in the back of the pavilion, entertains the audience with the usual appropriate music; but when all is ready, and the prompter gives the signal, two curtains suddenly sweep across the front of the pavilion, and crossing each other, loop themselves up again at the sides of the proscenium opening. At the moment of crossing, the pavilion concealed behind them disappears, hoisted up among the "sky borders" by elevator machinery, and the curtains as they loop themselves up disclose the stage and the performers in the opening tableaux. How the orchestra, suspended in the flies during the acts, manages to express with propriety the agonies of the heroine on the stage, we are not informed, but this should not be a matter of much difficulty. Another novelty, not of a strictly architectural character, is said to be the form of the programmes in the new theatre. In place of coarsely printed and ungrammatical advertising broadsides, as they are in most theatres, or the pretty little cards of the Madison Square Theatre, the Lyceum programmes are to present the appearance of small ornamental batons about the size of a large lead pencil. Inside of the baton is a coiled spring, like that which is used to operate window shades, and the programme, printed on cloth, is coiled by means of the spring inside the little stick. If the owner wishes to consult it, he has only to pull a ring or knot of ribbon provided for the purpose, and draw out as much of the programme as may be necessary, letting it slip back into its case when he has read as much as he wishes.

WE are glad to see public attention called, by the testimony of the Chief of the Chicago Fire Department, in the inquest over the burning of the Langham Hotel, to the danger attending the placing of frames covered with telegraph wires on the roofs of buildings. In his opinion, as reported in the *Firemen's Journal*, the fall of the wall of the hotel, which took place in an incredibly short time after the breaking-out of the fire, and caused the death of several persons, was caused by the strain upon a frame standing on the roof, and supporting about forty telegraph and telephone wires. Although the telegraph companies deny the possibility of this, we are decidedly inclined to think that the Chief of the Fire Department is right. We have ourselves known a chimney to be pulled over by the wires which were attached to it at an angle, and have no doubt that similar accidents are much more common than they should be; and the unequal strain upon the walls of a building carrying a large number of wires must inevitably be felt in some way when the support of the floor-beams is weakened or destroyed by fire.

THE COTTON CENTENN
OR

ton, by holding in the year one
four, in some city of the Uni
Committee of the National Cot
an institution for the public we
Mississippi — a World's Indus
tion, to be held under the joint a
National Cotton Planters' Asso
which it may be located, and i
culture and manufacture will
designed also to include all ar
soil and mine. . . ."

The President at the meeting
hereinbefore mentioned, was in
cities of the States in order to
the greatest inducements for its
was received in reply to the P
ately became apparent how gre
various cities. However, the a
New Orleans, upon the assuran
would be subscribed in that city

This was done notwithstandi
nistic to the selection by the P
New Orleans, and adopted by
this, because of the coolness of
is partly explained by it. In
$2,000,000 would be required t
trial Cotton Centennial Exhibi
be pretty correct, though it was
of $500,000 would be sufficient.

For the site of the Exhibition
tract of land known as the Up
from the city being, so to spea
the Mississippi River, and by its
a handsome park with beautiful

Some time in the latter part
called for competitive drawing
Centennial Exhibition" buildin
was stipulated that the buildin
space for exhibitors' use, exclu
ment, and the whole was not to
or $250,000. Architects of rep
out of the competition, knowing
attempt to gain any architectur
tation, by designing a building
exceed the proposed outlay. A
beside me, refutes the above, st
artists who essayed the solution
famous architect of some great
took the prize, but a man [a Sw
town." However this may be
though she gives the architect a
of his birth all he knows of his

The result which he actually

.BLE OR INEXCUSABLE?

Boston, April 10, 1885.

ERICAN ARCHITECT: —

us on the general scheme of the Back
n your paper some five years ago, at
Mr. Olmsted was kind enough to re-
urged against his design, so far as
is views as to the probable effect of
y out.

tesy on the part of Mr. Olmsted, to
g to a wondering public the reason
uit trees on the lands of the West

with this region, will remember it
dozen old farms, on which were
nd a good many cherry and pear
e size, and although doubtless not
m the fruit-grower's point of view,
ould be depended upon for doing
, to say nothing of the crop of fruit

eds in number, have now been all
in clumps, on every field; a melan-
solutely correct, but I am sure I can
over the whole five hundred acres
a cherry tree or a pear tree left
ew around the house at the corner
cross streets, now occupied by the
s abolished apple blossoms forever

fense a Dieu
e en ce lieu."

s of course not been done without
have been a strong reason for it
ener. What was the reason? We
enture, to a tender regard for the
pected to disport himself in these
apples; and again, to a proper dis-
, a little later, may break a bough
riper fruit. It may have sprung
for so common and vulgar a poor
of the home soil. Be the reason
whe[illegible] urgations at what seems
ah[illegible] and deeper than Mr.
would [illegible] glad to know it, and to
ction that gentleman proposes to
England apple orchard in May.

C.

) CLIPPINGS.

OMATS. — It is said that the addi-
o the German embassies in different
ess. Their reports to their Govern-
ster of Public Works, and are read

. — Workmen began yesterday tak-
Street Church. The vane measured
be was 0 feet 6 inches in circumfer-
nes square. The height by actual
the under side of the globe was 183
k to the top of the lightning rod was
the measurement of the vane ranged
of the entire spire from 102 to 410
the vane, cardinal points and globe
State House, and has given one of
ars of the spire to Major Ben. Per-

— About twenty miles west of Castle-
ected as a station for the British
miles to the northwest is situated the
present erecting a lighthouse to
hich was swept away in the great
belonging to the Board of Lights
own to the Bull Rock, but so danger-
of the swift currents which prevail
even in the calmest weather, a very
ordinary visitors are forbidden by a
ngerous passage. By driving from
rney of about fifteen miles, one may
light will prove to storm-tossed
able nature of the coast of which it
presents to the seaside a precipitous
es by the action of wind and wave,
narrow gorges or bays, studded with
Bull, Cow, and Calf, lie off Dursey
nce of three miles to the northwest.
hundred feet above the sea, and is
by an immense natural cavern. This
nstructing steps and cutting barracks
kmen. Next year a chamber will be
hich the top of the lantern will rise
will send out its beams from a height
above the surface of the sea. — *Iron*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

314,750. SHUTTER-BOWER. — Michael R. Tallman, Philadelphia, Pa.

314,778. LOCK. — John H. Barnes and Joseph H. Woolaston, New Haven, Conn.

314,781. VAULT-COVER. — William H. Beckwith, Pittsburgh, Pa.

314,782. SASH-FASTENER. — David E. Bedell, Newark, N. J.

314,799. SASH-CORD FASTENER. — Wellington H. Christ, Pine Grove, Pa.

314,828. SECURING SHANKS TO GLASS KNOBS. — John W. Haines, Cambridge, Mass.

314,855. WEATHER-STRIP. — John H. Lamoureux, Robinson, Ill.

314,882. VENTILATOR. — Alfred S. Seaman, Frackville, Pa.

314,884. DRY-CLOSET, ETC. — Isaac D. Smead, Toledo, O.

314,899. FIRE-ESCAPE LADDER. — Robert M. Wilson, New York, N. Y.

314,918. SASH-FASTENER. — Benj. S. Curry, Manatee, Fla.

314,943. COCK FOR WASH-BASINS. — Joseph Jungbluth, Erie, Pa.

314,945. HEATING-APPARATUS. — Ernst Korting, Hanover, Prussia, Germany.

314,974. SASH-FASTENER. — Robert S. Noble, West Bay City, Mich.

315,000. RATCHET MECHANISM FOR BIT-BRACES, SCREW-DRIVERS, ETC. — William R. Clarkson, Buffalo, N. Y.

315,014. BENCH-PLANE. — James Duncan, Coshocton, O.

315,016. TILE-MAKING ATTACHMENT FOR BRICK-MACHINES. — J. B. Foster, Zurich, Ontario, Can.

315,025. FIRE-ESCAPE. — George M. Heath, Rockingham, Vt.

315,040. HOT-AIR FURNACE. — Otis Jones, Chicago, Ill.

315,061. SHINGLE. — Willis J. Perkins, Grand Rapids, Mich.

315,063. MECHANISM FOR FLUSHING TANKS. — Geo. C. Phillips, Providence, R. I.

315,083. SELF-CLOSING HATCHWAY. — Richard D. Thackston, St. Louis, Mo.

315,111. DOOR OR SHUTTER. — Emerson Belden, Green Island, N. Y.

315,124. STAPLE. — William Chisholm, Cleveland, O.

315,137. SCREW-DRIVER. — Zachary T. Furbish and Franklin L. Hamlen, Augusta, Me.

315,138-140. BURGLAR-ALARM. — Alexander C. Gibson, Chicago, Ill.

315,152. BURGLAR-ALARM. — Ira G. Leek, San Francisco, Cal.

315,166. ELEVATOR. — Edward B. Powell, Portland, Mich.

315,200. MANUFACTURE OF BRICK. — Nathaniel S. Willet, Newark, N. J.

315,205. LATCH-LOCK. — Harlan P. Young, Lowell, Mass.

315,221. DOOR-CHECK AND HOLDER. — Thomas E. Barrow and Henry Wade, Mansfield, O.

315,261. COMBINED LEVEL, SQUARE AND BEVEL. — Matthew Euinton, West Upton, Mass.

315,284. DOOR-CHECK. — Charles E. Hewitt, Brandon, Vt.

315,294. SASH-FASTENER. — Edwin A. Johnson, Allegheny City, Pa.

315,302. DOOR-SPRING. — Salem T. Lamb, New Albany, Ind.

315,307. LOCK. — Washington I. Ludlow, Cleveland, Ohio.

315,313. ANNUNCIATOR. — James E. McDuff and John F. Doherty, Providence, R. I.

315,312. BASIN-ATTACHMENT FOR BATH-TUBS. — John Robinson and William J. Robinson, Philadelphia, Pa.

315,315. HEARTH GUARD OR SHIELD. — William J. Sanders, Gilmer, Tex.

315,317. SASH-PULLEY. — John B. Schroder, Cincinnati, O.

315,358. BRICK AND TILE MACHINE. — William W. Wallace, Frankfort, Ind.

315,365. WINDOW-FRAME. — Henry E. Willer, Milwaukee, Wis.

315,367. FIREPLACE. — Isaac C. Williams, Auburn, W. Va.

315,372-374. SAW. — Emanuel Andrews, Williamsport, Pa.

315,391. SHUTTER-WORKER. — Russell G. Dudley, Jersey City, N. J.

315,412. ILLUMINATING TILING AND GRATING FOR COVERING VAULTS, ROOFS, ETC. — Thaddeus Hyatt, Brooklyn, N. Y.

315,422. HEATING DEVICE. — George L. Lavery, Boston, Mass.

315,439. COMBINED BURGLAR-ALARM, MATCH-SAFE AND SASH-FASTENER. — Darius T. Phillips, Chicago, Ill.

SUMMARY OF THE WEEK.

Baltimore.

STABLE. — George Archer, architect, is preparing drawings for Messrs. Denny & Mitchell, for a three-st'y stable, 100′ x 120′, with tower 14′ square and 80′ high, to be erected cor. North Avenue and Oak St., to be of brick, with marble and terra-cotta finish, and to cost about $25,000; John Waters, builder.

BUILDING PERMITS. — Since our last report forty-nine permits have been granted, the more important of which are the following: —

M. Z. Hammen, 23 two-st'y brick buildings, s s Bowham St., between Wooster and Stockholm Sts.

Atto Goldbach, 7 two-st'y brick buildings, w s Chapel St., commencing n w cor. Jefferson St.

Mary Gerrens, three-st'y brick building, s s Chase St., between Valley and Hillman Sts.

Fannie Carrear, three-st'y brick building, s s Chase St., w of Valley St.

Charles E. Harker, 2 two-st'y brick buildings (square), e s Ensor St., between Chase and Biddle Sts.

J. W. Gerken, 2 two-st'y brick buildings, n s Boyd St., between Schroeder and Amity Sts.

Geo. Klein, 3 two-st'y brick buildings, w s Ropewalk Alley, between Heath and Barney Sts.

Wm. Klein, 2 two-st'y brick buildings, w s Ropewalk Alley, between Heath and Barney Sts.

L. German, 2 three-st'y brick buildings, commencing n w cor. Edmondson Ave. and Carlton St.

P. Heavy and others, 2 three-st'y brick buildings, commencing s w cor. Hanover and Clement Sts.

Wm. Reisinger & Son, three-st'y brick warehouse, and two-st'y brick stable, s s Portland St., between Greene and Emory Sts.

Chas. Micheiman, 8 two-st'y brick buildings, e s Burke St., s of Aliceanna St.

F. D. Sauerwein, 8 three-st'y brick buildings, n s Lanvale St., commencing n e cor. Calhoun St.

John J. Purcell, 2 three-st'y brick buildings, n s Patterson Ave., between Stricker St. and Parrish Alley.

Geo. S. Brown, 14 two-st'y and mansard brick buildings, e s Fulton Ave., commencing s e cor. Harlem Ave.; 13 two-st'y brick buildings, w s Bruce Alley, s of Harlem Ave.; and 3 two-st'y and mansard brick building, s s Harlem Ave., commencing s w cor. Bruce Alley.

Chas. H. Callis, 14 two-st'y brick buildings, n s Preston St., e of Broadway.

M. Fallon, three-st'y brick building, s s Chase St., w of Hillman St.

Timothy Sullivan, three-st'y brick building, s w cor. Chase and Hillman Sts.

J. F. Weissner, three-st'y brick building, w s Belair Ave., between Federal and Boyd Sts.

G. Kaeisel, three-st'y brick building, e s Gay St., between Forest and Aisquith Sts.

Geo. C. Herschman, 10 three-st'y brick buildings, n s Biddle St., commencing n w cor. Ensor St.

Charlotte Lippe, 2 three-st'y brick buildings, George Alley, between Pennsylvania Ave. and Biddle St.

Boston.

BUILDING PERMITS. — *Brick.* — *Tremont St., Nos.* 1285 *and* 1287, cor. Prentiss St., apartment-house, 38′ and 39′ 4″ x 80′; John Miller, owner: J. E. Potter, builder.

Berkeley St., Nos. 92, 94 *and* 96, apartment-house, 23′ 6″ x 48′; Mary Knowlton, owner; Alvin Knowlton, builder.

Wood. — *Tremont St.*, near Newton Line, dwell. and restaurant, 26′ and 3? x 31′; J. F. Walsh, owner; Michael Ryan, builder.

Surrey St., near Foster St., poultry-house, 14′ x 25′; Chas. A. Wheeler, owner.

Harrison St., near Green Hill St., 2 dwells., 17′ and 25′ x 35′ 6″; A. W. Wright, owner; C. E. Currier, builder.

Harrison St., near Green Hill St., 2 dwells., 17′ and 25′ x 35′ 6″; C. E. Currier, owner and builder.

Dorchester Ave., No. 30, office, 18′ x 22′; H. S. Jordan & Co., owner; William McLean, builder.

East Fifth St., No. 590, dwell., 23′ x 42′; J. R. Duce, owner; W. T. Eaton, builder.

Bremen St., near Porter St., dwell., 22′ x 39′; L. F. Lambert, owner; R. H. Sproule, builder.

Border St., No. 214, stable and storage, 20′ x 35′; P. M. Gifford, owner and builder.

East Third St., near H St., dwell. and store, 19′ x 30′; James V. Devine, owner and builder.

H St., cor. Emerson St., dwell., 17′ and 21′ x 33′; owner and builder, same as last.

East Third St., cor. Emerson St., dwell., 21′ 4″ x 33′; owner and builder, same as last.

H St., cor. East Third St., dwell., 21′ 4″ x 33′; owner and builder, same as last.

Emerson St., near H St., 2 dwells., 18′ and 20′ x 33′; owner and builder, same as last.

East Third St., near H St., dwell., 17′ x 30′; owner and builder, same as last.

Dudley St., cor. Dudley Pl., dwell., 23′ x 52′; F. W. Kittredge, owner; James Portune, builder.

Dudley St., near Blue Hill Ave., dwell., 23′ x 52′; owner and builder, same as last.

Dudley St., near Blue Hill Ave., dwell., 20′ x 52′; Mabel Wheaton, owner; Jas. Portune, builder.

Dudley St., opposite Magazine St., dwell., 20′ x 52′; owner and builder, same as last.

Mechanic St., off Brighton Ave., 2 dwells., 19′ x 28′; Edmund Dole, owner; Christopher Keake, builder.

Phillips St., near Conant St., 2 dwells., 22′ x 35′; L. S. Conant, owner; W. T. Eaton, builder.

Dudley St., near Blue Hill Ave., dwell., 20′ x 52′; Mabel Wheaton, owner; James Portune, builder.

Dorchester Ave., near Greenwich St., dwell. and store, 23′ x 32′; James O'Neil, owner; James Portune, builder.

Brooklyn.

BUILDING PERMITS. — *Humboldt St., No.* 259, w s, 75′ n Ten Eyck St., three-st'y brick tenement, tin roof; cost, $7,000; owner and architect, John McQuade.

St. John's Pl., s s, 235′ w Seventh Ave., 4 three-st'y brick dwells., tin roofs; cost, each, $9,000; owner and architect, Thomas F. Green, 195 Sixth Ave.

Halsey St., s s, 140′ e Reid Ave., two-st'y brick dwell., tin roof: cost, $1,500; owner, James Herring, 632 Halsey St.; architect, M. Walsh.

Willoughby Ave., n s, 40′ w Hall St., 4 five-st'y brick dwells., tin roofs; cost, each, $3,500; owner, Henry C. Coe, 535 Washington Ave.; architect, A. Hill.

Putnam Ave., s s, 295′ w Tompkins Ave., 3 three-st'y brown-stone dwells., tin roofs, wooden cornices; cost, each, $9,000; owner and builder, H. A. Weed, 243 Putnam Ave.; architect, I. D. Reynolds.

South Fourth St., n s, 25′ w Twelfth St., three-st'y brick tenement, tin roof; cost, $6,500; owner, Mrs. Turner, South Fifth St., near Division Ave.; architect, J. Platte; builder, S. J. Burrows.

Madison St., n s, 80′ e Bedford Ave., three-st'y brick dwell., tin roof; cost, $6,000; owner, John S. or John B. Grube, 133 Madison St.; architect, A. Hill.

Monroe St., s s, 235′ e Throop Ave., 2 two-st'y brown-stone dwells.; cost, each, $4,000; owner, architect and builder, W. J. C. Miller, 299 Sumner Ave.

Lincoln Pl., s s, 150′ w Seventh Ave., 3 three-st'y brown-stone dwells., tin roofs; cost, each, $10,000; owner and mason, John Monas, 92 Park Pl.; architect and contractor, J. J. Gilligan.

Locust St., s s, 175′ e Broadway, 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $4,000; owner, Chas. Goetz, Park Ave., cor. Throop Ave.; architect, G. Hillenbrand; builder, D. Kreuder.

Lafayette Ave., n s, 119′ 6″ w Bushwick Ave., 3 two-st'y frame dwells. (brick-filled), tin roof; cost, each, $3,500; owner, Anna A. Fardon, 1132 Lafayette Ave.; builder, A. A. Fardon.

Lafayette Ave., n s, 87′ 6″ w Bushwick Ave., two-st'y frame dwell., tin roof; cost, $3,500; owner and builder, same as last.

Foot of North Tenth St., 250′ w First St., two-st'y brick cooperage-building, gravel roof; cost, $12,000; owner, Pratt M'f'g Co., on premises; architect, J. A. Moffett; builder, not selected.

Van Dyke St., n s, 150′ w Richard St., three-st'y brick dwell., tin roof; cost, $6,200; owner, A. H. Gutkes, 72 Delevan St.; architect, F. E. Lockwood; builders, P. Kelly & Sons.

Sixth Ave., s w cor. Nineteenth St., three-st'y frame store and dwell., tin roof; cost, $4,000; owner, Henry Schmidt, cor. Eighteenth St. and Sixth Ave.; architect, D. E. Harris; builders, E. P. Crane and D. E. Harris.

Oakland St., n w cor. Kent St., three-st'y frame (brick-filled) store and tenement, gravel roof; cost, $4,800; owner, James E. Martin, on premises; architect, F. Weber; builders, Port & Walker.

Jackson St., n s, 50′ w Humboldt St., three-st'y frame (brick-filled) tenement, tin roof; cost, $6,000; owner, H. G. D. Rohlfs, 183 Jackson St.; architect, John Platte; builders, Jacob Rauth and Jacob Bossert.

Broadway, n e cor. Palmetto St., 5 three-st'y brown-stone stores and flats, tin roofs; cost, each, $8,000; owners and builders, Cozzens & Barton, 173 Stuyvesant Ave.; architect, I. D. Reynolds.

Putnam Ave., n s, 435′ e Tompkins Ave., 3 three-st'y brown-stone dwells., tin roofs, wooden cornices; cost, each, $9,000; owner, John F. Saddington, 462 Willoughby Ave.; architect, F. D. Vrooman.

Taylor St., n s, 46′ w Kent Ave., two-st'y brick stable, gravel roof; cost, $3,000; owner, T. F. Taylor, foot of Wilson St.; architect and builder, J. H. Devoe.

Smith St., w s, about 60′ n Ninth St., 3 three-st'y brick tenements, gravel roofs; cost, each, $3,000; J. G. L. Boettcher, 101 Dean St.; architects, Parfitt Bros.; builders, Kolle & Starbler.

Putnam Ave., n s, 395′ e Tompkins Ave., 2 two-st'y brown-stone dwells., tin roofs, wooden cornices; cost, each, $7,000; owner, John F. Saddington, 462 Willoughby Ave.; architect, F. D. Vrooman.

Hoyt St., w s, 30′ s Sackett St., 4 two-st'y brown-stone dwells., felt and gravel roofs; cost, each, $3,200; owner, E. Pearson, 24 First St.; architect and builder, Theo. Pearson.

Jefferson St., n s, 24′ w Tompkins Ave., 9 three-st'y brown-stone dwells., tin roofs; cost, each, $6,500; owners, etc., Colson & Reiner, 122 Tompkins Ave.

Wythe Ave., Nos. 98 *and* 100, w s, 2 four-st'y brick stores and tenements, tin roofs; cost, each, $9,000; owner, F. Thill, cor. Taylor St. and Kent Ave.; architect and builder, J. H. Devoe.

Gates Ave., s s, 225′ e Nostrand Ave., four-st'y Trenton brick store and flats, gravel roofs; cost, $8,500; owner, Mary Moore, 110 Gates Ave.; architect, Amzi Hill; builder, Paul C. Grening.

First St., s s, 100′ w Sixth Ave., 10 two-st'y brown-stone dwells., tin roofs; cost, each, $4,500; owners and contractors, Conway & Moubray, s w cor. First St. and Sixth Ave.; mason, not selected.

Union St., s e cor. Seventh Ave., and *President St.*, n e cor. Seventh Ave., 8 three-st'y brown-stone dwells., metal roofs; cost, each, $10,000; owner, architect and builder, Wm. Flanagan, 46 Berkeley Pl.

ALTERATIONS. — *Fourth Ave.*, n w cor. Wyckoff St., three-st'y brick extension, tin roof; cost, $4,400; owner, Henry Cooper, Bowery, cor. Houston St., architect, B. W. Warner; builders, M. Ryan and B. C. Condit.

Chicago.

BUILDING PERMITS. — C. W. Faulkner, two-st'y dwell., 318 North State St.; cost, $5,000; architect, W. L. Beers.

J. Blain, two-st'y dwell., 809 Clybourn Ave.; cost, $3,500; builder, W. H. Hellman.

G. Nocquet, two-st'y dwell., 22 Elkgrove St.; cost, $3,000; builder, N. Rathgen.

J. Lathau, three-st'y dwell., 132 Hudson Ave.; cost, $6,000.

Wm. Kroeschel, two-st'y dwell., 457 Dayton St.; cost, $5,000.

Mrs. S. Gannon, two-st'y dwell., 685 Superior St.; cost, $2,600.

J. Shannon, two-st'y store and dwell., 3529 Wentworth Ave.; cost, $2,500.

C. Seeger, three-st'y store and flats, 137 Hurlbut St.; cost, $6,000; architect, H. Gnoer; builder, A. Kuerker.

Wm. Frampelm, cottage, 324 Twenty-fourth St.; cost, $4,300.

S. Meilon, two-st'y store and dwell., 644 Centre Ave.; cost, $3,000; builder, A. Wendt.

C. E. Mantz, three-st'y dwell., 53 Belleview Pl.; cost, $7,000; architects, Frommon & Gebson.

C. Schauss, three-st'y store and flats, 930 Halsted St.; cost, $5,000; architect, C. F. Berlin.

April 18, 1885

S. Vankirk, 2 two-st'y dwells., 429 Idaho St.; cost, $4,500.

Geo. Ross, two-st'y dwell., 539 Jackson St.; cost, $3,000.

A. G. Merriman, two-st'y dwell., 511 West Jackson St.; cost, $4,000.

F. N. Mills, 3 two-st'y dwells., 3116-3120 Vernon Ave.; cost, $10,000.

J. Monahan, three-st'y store and dwell., 106 Elizabeth St.; cost, $5,000; builders, McMillan Bros.

C. Mages, cottage, 729 Hoyne Ave.; cost, $2,800.

J. Stash, two-st'y dwell., 458 Noble St.; cost, $3,500; builders, Wenz & Bishop.

J. Hilbert, two-st'y dwell., 948 North Halsted St.; cost, $3,000; builder, G. Wolf.

G. Brayton, three-st'y stores, 3518 and 3520 Vincennes Ave.; cost, $2,500.

J. Krauter, two-st'y store and dwell., Milwaukee Ave.; cost, $4,500; architect, Kley.

J. Fenstercloat, two-st'y dwell., 476 West Congress St.; cost, $8,000; architect, J. Warner; builder, J. Bagley.

J. H. Burke, two-st'y dwell., 191 West Congress St.; cost, $2,800.

Wm. Brown, two-st'y dwell., 1031 Wilcox Ave.; cost, $4,000; builder, D. Wilkie.

J. Stepalek, two-st'y store and dwell., 623 Centre Ave.; cost, $3,500; builders, Waska & Sons.

A. Vaughan, two-st'y dwell., 678 Washington St.; cost, $7,000; architect, J. H. Moore.

V. Smerz, three-st'y dwell., 828 Allport Ave.; cost, $4,000.

F. E. Kreussler, three-st'y rear addition, 2168 Archer Ave.; cost, $3,000.

E. W. Egeress, three-st'y store and dwell., 209 North Ashland Ave.; cost, $3,000; architects, Land & Gilbert.

W. Woelker, two-st'y dwell., 514 West Chicago Ave.; cost, $3,000; architect, F. Hagerman.

Mrs. Mary Scudder, two-st'y dwell., 63 Bellevlew Pl.; cost, $10,000; architects, Cobb & Frost.

J. Thompson, 4 cottages, North Leavitte St.; cost, $5,000.

G. Foreman, two-st'y dwell., Michigan Ave.; cost, $25 000; architect, L. B. Dixon.

Denver, Col.

Building Permits. — E. F. Hallack, three-st'y brick business house, 42' x 100', Nineteenth St.; cost, $12,000.

Wm. Scott Lee, dwell., 29' x 60', Grant Ave.; Varian & Sterner, architects; cost, $7,000.

Donald Fletcher, two-st'y brick business house, Sixteenth St.; cost $6,000; Fred A. Hale architect.

Mrs. E. B. Howland, dwell., 29' x 48'; Clarkson St.; Wm. Quayle, architect; cost, $3,700.

A. A. Higgenbotham, dwell., 25' x 56'; Pearl St.; Wm. Quayle, architect; cost, $4,500.

P. P. Wilcox, two-st'y brick business house, 50' x 100'; Curtis St.; cost, $15,000.

B. M. & A. S. Hughes, two-st'y brick business house: Edbrooke & Co., architects; Sixteenth St.; cost, $15,000.

E. B. McCrary, two-st'y brick dwell.; Evans St.; Edbrooke & Co., architects; cost, $6,000.

Mrs. S. H. Moore and Mrs. Alfred Wolff, two-st'y brick dwell., South Fourteenth St.; Fred A. Hale, architect; cost, $7,000.

New York.

Flats. — On the south side of Ninety-second St., commencing 132' w of Madison Ave., a five-st'y brownstone flat, 25' 6" x 100' 8", is to be built for John Livingston, from plans of Mr. F. T. Camp.

For Thomas Smith, a five-st'y brick and brownstone flat and store, 25' x 96', is to be erected on the n e cor. of One Hundred and Fifteenth St. and Lexington Ave., from plans of Messrs. Babcock & McAvoy; cost, $20,000.

Houses. — Five three-st'y and basement brown-stone houses are to be built for Mr. V. D. Genovese, on the n s of Eighty-second St., 200' w of Ninth Ave., from plans of Mr. E. Gandolfo,

On the n s of Eighty-second St., 100' e of Ninth Ave., 4 four-st'y and basement high-stoop dwells. are to be erected by Richard Deeves.

Store. — On the n s of White St., between Church St. and West Broadway, a six-st'y iron-front store, to cost $25,000, is to be erected, from plans of Messrs. Cleverdon & Putzel.

Building Permits. — *West Thirtieth St., No.* 213, three st'y and basement stone and brick dwell., slate and tin roof; cost, $20,000; owners, Nuns of St. Dominick, Sister M. Seraphina Stramer, Superioress, Brooklyn; architect, Wm. Schickel.

West Thirty-fifth St., No. 238, five-st'y brick tenement, tin roof; cost, $11,000; owner, Leonard Gattman, 326 East Fifty-second St.; architects, Schwarzman & Buchman; builder, John F. Moore.

Seventy-third St., s s, 100' e Madison Ave., 10 four-st'y brown-stone front dwells., tin roofs; cost, three, each $22,000; five, each $20,000; and two, each $18,000; owner, architect and builder, R. W. Buckley, 810 Fourth Ave.

One Hundred and Eighth St., n s, 100' w Third Ave., four-st'y brick workshop, tin roof; cost, $8,000; owner, Michael Fallihee, 149 East Fifty-third St.; architect, John Sexton.

Second Ave., No. 2108, five-st'y brown-stone front tenement, tin roof; cost, $20,000; owner, Adam Harrmann, on premises; architect, Wm. Fernschild.

Second Ave., s e cor. Eighty-fourth St., 2 five-st'y brick tenements and stores, tin roof; cost, $18,500 and $22,000; owner, Eva Muller, 446 East Seventy-sixth St.; architect, John Brandt.

Eighty-fourth St., s s, 300' w First Ave., 4 five-st'y brown stone front tenements, tin roofs; cost, each, $16,500; owner and architect, same as last.

Eighty-fourth St., n s, 100' e Second Ave., 2 five-st'y brown-stone front tenements and stores, tin roofs; cost, each, $18,000; owner and architect, same as last.

Eleventh Ave., s e cor. Seventy-fifth St., 6 three-st'y brown-stone front dwells., slate and tin roofs; owners and architects, Lamb & Rich, 265 Broadway; builders, Alex. Brown, Jr., and John J. Brown.

Eighty-fourth St., n w cor. Boulevard, 10 three-st'y brick dwells., tin and slate roofs; owner, George W. Rogers, 104 East One Hundred and Twenty-fourth St.; architects, Cleverdon & Putzel.

Eighth Ave., s w cor. One Hundred and Sixteenth St., 2 five-st'y brick flats and stores, tin roofs; cost, each, $17,000; owner, James Connor, 172 East One Hundred and Twelfth St.; architect, G. Robinson, Jr.

Eighth Ave., w s, 40' s One Hundred and Sixteenth St., 2 four-st'y brick flats and stores, tin roofs; cost, each, $22,000; owner and architect, same as last.

One Hundred and Thirty-first St., s s, 225' w Sixth Ave., 4 three-st'y and basement brick dwells., tin roofs; cost, $12,000; owner, Samuel O. Wright, 103 West Thirtieth St.; architects, Cleverdon & Putzel.

St. James St., Fordham, two-st'y frame dwell., shingle roof; cost, $4,000; owner, John B. Haskin, Fordham; builders, C. V. Folin & Son.

One Hundred and Forty-eighth St., s s cor. Willis Ave., three-st'y frame tenement, tin roof; cost, $7,500; owner, Anton Loeffler, 134 North Third Ave.; architect, Adolph Pfeiffer; builder, not selected.

Broadway, n e cor. Thirty-third St., eight st'y brick store, bachelors' apartments, and studios; cost, $220,000; owner, David H. McAlpin, 673 Fifth Ave.; architects, D. & J. Jardine.

COMPETITIONS.

CITY-HALL.

[At Richmond, Va.]

February 16, 1885.

Proposals are invited until **June 1st, 1885**, for furnishing designs for a city-hall upon which premiums will be paid as follows: —

For first best design, $700.

For second best design, $300.

The Committee on Grounds and Buildings of the City Council reserves the right to reject any and all designs.

For information address the undersigned.

487 W. E. CUTSHAW, City Engineer.

PROPOSALS.

WROUGHT AND CAST IRON WORK.

[At Washington, D. C.]

Engineer's Office, Washington Monument, Washington, D. C., April 13, 1885.

Sealed proposals for furnishing and delivering wrought and cast iron work, etc., required in the interior of the Washington Monument, in this city, will be received at this office **until 12 M., on the 30th day of April, 1885**, and opened immediately thereafter in the presence of bidders.

Specifications, blanks, drawings, and any further information can be obtained at this office.

THOS. LINCOLN CASEY,
Colonel Corps of Engineers,
487 Engineer-in-Charge.

LEVEE.

[At Jeffersonville, Ind.]

U. S. Engineer Office, Cincinnati, O., March 17, 1885.

Sealed proposals in duplicate will be received at this office **until noon** (local time) **on Thursday, the 30th day of April, 1885**, for constructing a levee at Jeffersonville, Ind.

Approximate quantity of earth, 43,400 cubic yards.

Specifications and printed forms for proposals will be furnished on application to O. A. Clark, C. E., at Jeffersonville, Ind., or to the undersigned.

WM. E. MERRILL,
487 Lieut.-Col. of Engineers.

WATER PIPE.

[At Nashville, Tenn.]

March 25, 1885.

Sealed proposals for furnishing and delivering, f. o. b. in Nashville about four thousand tons of thirty-six inch cast-iron water pipe, will be received at this office until **4 P. M., April 27th.** Each proposal must be accompanied by a certified check for one thousand dollars as a guarantee that the successful bidder will enter into a contract within ten days from the date of notification of award. The right is reserved to reject any or all proposals, or to waive defects. *Specifications, Instructions to Bidders, Blank proposals and blank contract*, will be furnished on application.

By order of the Board of Public Works and Affairs,

OLIN H. LANDRETH,
486 Hydraulic Engineer.

HOSPITAL WARDS.

[At St. Peter, Minn.]

St. Peter, Minn., April 4, 1885.

Sealed proposals will be received by the undersigned, Secretary of the Board of Trustees, Minnesota Hospital for Insane, **until 12 M., May 6, 1885**, for building two detached wards to first Hospital for Insane, at St. Peter, Minn., according to plans and specifications which may be seen at the office of H. E. Horton, Architect, at Rochester, Minn., and at the hospital at St. Peter.

Each bid must give the name or names and P. O. address of all parties interested in or parties to it.

Each bid must be accompanied by a certified check on some National or State Bank of the State of Minnesota, for the sum of $500, payable to the order of William Schimmel, Treasurer, to be forfeited to the State of Minnesota by any bidder who, his bid being accepted, fails to enter at once into contract for the work, otherwise to be returned to bidder.

All stone for building (except dressed stone) will be furnished at the hospital quarry, near contemplated buildings; will also furnish 250 M brick and do the excavating for basements.

The accepted bidder must give the necessary bond, with good and sufficient sureties, to be approved by the Board of Trustees, conditional on the faithful performance of the contract, in the sum of one-third the amount of contract.

Bids should be addressed to the Trustees, and marked, "Proposals for building detached wards at St. Peter."

The buildings to be completed on or before August

PROPOSALS.

1, 1886, no payments to be made before August 1, 1885, and not to exceed one-half the amount of the contract to be paid before January 1, 1886.

The Trustees reserve the right to reject any or all bids not satisfactory.

A. L. SACKETT,
488 Secretary of Board of Trustees.

PLUMBING.

[At David's Island, N. Y. Harbor.]

Depot Quartermaster's Office, David's Island, N. Y. Harbor, April 3, 1885.

Sealed proposals, in triplicate, subject to the usual conditions, will be received at this office **until 12 o'clock, noon, Monday, April 20, 1885**, at which time and place they will be opened in presence of bidders, for plumbing-work necessary to carry water from water-mains into buildings at David's Island, New York Harbor.

The Government reserves the right to reject any or all proposals.

Blanks and full information furnished on application.

GEO. H. COOK,
484 Capt. and Asst. Quartermaster.

HEATING AND VENTILATING APPARATUS.

[At Frankfort, Ky.]

Office of Supervising Architect, Treasury Department, Washington, D. C., April 11, 1885.

Sealed proposals will be received at this office **until 2 P. M., on the 11th day of May, 1885**, for furnishing and putting in place, complete, in the court-house, post-office, etc., building at Frankfort, Ky., a low-temperature hot-water heating-apparatus, in accordance with drawings and specification, copies of which and any additional information may be had on application at this office or the office of the superintendent.

Bids must be accompanied by a certified check for $500.00, drawn to the order of the Secretary of the Treasury, as a guarantee that the bidder will enter into a contract, if his bid is accepted, and furnish a bond equal to the amount of the contract.

Bids received after the time of opening will not be considered.

M. E. BELL,
487 Supervising Architect.

IRON, STONE, AND BRICK WORK OF APPROACHES.

[At Jackson, Miss.]

Office of Supervising Architect, Treasury Department, Washington, D. C., April 10, 1885.

Sealed proposals will be received at this office **until 2 P. M., on the 2d day of May, 1885**, for furnishing and setting in place the fence coping, gate and fence posts, street curb and brick pavement; also, furnish and fix in place all the iron fences, gates, pipe railings, gratings, etc., required for approaches to the court-house, post-office, etc., building at Jackson, Miss., in accordance with drawings and specification, copies of which and any additional information may be had on application at this office or the office of the Superintendent.

Bids must be accompanied by a certified check for $300 for stone and brick work, and $300 for the iron-work, drawn to the order of the "Secretary of the Treasury," as a guaranty that the bidder will enter into a contract, if his bid is accepted, and furnish a bond equal to the amount of the contract.

Bids received *after* the time of opening will not be considered.

M. E. BELL,
487 Supervising Architect.

GRATES, MANTEL TILES, ETC.

[At Kansas City, Mo.]

Office of Supervising Architect, Treasury Department, Washington, D. C., April 14, 1885.

Sealed proposals will be received at this office **until 2 P. M., on the 5th day of May, 1885**, for supplying and setting in place complete, all the grates, mantel tiles, etc., required for the custom-house, etc., building at Kansas City, Mo., in accordance with the drawing, specification, and schedule, copies of which and any additional information may be had on application at this office or the office of the Superintendent.

Bids must be accompanied by a certified check for $100, drawn to the order of "The Secretary of the Treasury," as a guaranty that the bidder will enter into a contract, if his bid is accepted, and furnish a bond equal to the amount of the contract.

Bids received after the time of opening will not be considered.

M. E. BELL,
486 Supervising Architect.

JAIL AND HOUSE OF CORRECTION.

[At Springfield, Mass.]

Office of the Commissioners of the County of Hampden, State of Massachusetts.

Sealed proposals for the erection and completion of a jail and house of correction for the County of Hampden, to be located on York Street, in the city of Springfield, Massachusetts, will be received by the undersigned, Commissioners of said County, at their office, **until Tuesday, May 12, 1885.**

Plans and specifications can be seen at the office of D. H. & A. B. Tower, Architects, at Holyoke, Mass., on and after Thursday, April 16, 1885.

The builders to whom the contract shall be awarded will be required to enter into bonds, with at least two approved sureties, for the sum of $35,000, for the faithful performance of the contract.

Bidders will be required to send certified check for the sum of $500 with proposals.

Work to be commenced within 20 days of awarding of contract, and to be finished on or before the 15th day of November, 1886.

The right reserved to the Commissioners to reject any or all bids.

LEONARD CLARK, HENRY A. CHASE, L. F. ROOT, Commissioners of the County of Hampden.
488

ND CLIPPINGS.

ia del Tule, Mexico. — Somebody have been found in Africa that are d a cypress in Mexico is believed to The cypress of Santa Maria del Tule ly the oldest individual of any species ages are to be relied upon, the life may have spanned the whole period nts it was still growing, and in 1851, d 42 feet in diameter, 146 in circum- extremities of two opposite branches.

New York. — The Western Union k City, are about to substitute pneu- of city messages. Brass tubes three l four feet below the surface. The impelled by compressed air at one at an estimated velocity of about a stations are four engines, eighteen with compressors or exhausters tan- two hundred and forty horse-power minute. Air is exhausted from one pounds per square inch in the other. arranged that any of them can be exhaustion to either reservoir. The tubes to some newspaper offices ne time, but the plant now in pro- noveities of detail in respect to messages from branch stations, con- convenience of operation. — *Engi-*

orthern Italy. — Few of the many to the wonderful system of irriga- 125,550 gallons of water per sec- es of land, while those of Lombardy 00 acres. The Cavour Canal, con- draws its supply from the rivers Po 29,200 gallons per second, watering er mile, or a total of £1,000,000. Its 300 gallons per second. A smaller s per second, and cost £24,154 per re not only used for irrigation, but the w is raised to higher levels. Turin, three canals — the each other, though on dif- being used at the top of the hill, A stream of 154 gallons per second and carried down the hill by a lead al. Here it is pumped up to the ked by four turbines driven by a fall and allowed to fall into the Rothe, by rigation. By this means not a drop is ve gone on the principle of construct- s to have everything on a uniform alterations, and by this means they drop of water, and making North *Builder.*

— One of the most expert speculators Kuffler. Over there, however, they u swindlers. Some of his late tricks might take lessons from him. The Mr. Ward, on a smaller scale, how- peared in the office of a wealthy lum- lumber-yard in the heart of the city, mania for building houses in Vienna, ney prices. "I want to buy the land n. I want to put up a big hotel on to sell." "But I have got to have it. s part of the city. I'll give you half I would not sell for a million." "I was not worth a million, but as the and was wealthy, he did not care to ther not." "I'll give you a million that I am in earnest, I'll put up fifty have a big lot on which to put up my amount in thousand-mark notes on the became nervous and excited. Great his brow. He asked for twenty-four ole was then concluded. The lumber o months. The fifty thousand marks he end of a week. The lumber-dealer knew Kuffler had the money. The n for another lumber-yard. Suitable ree. A land-agent, however, who had looking for a lot, offered him one for it only gave him the refusal of it for could get that amount from another e place to Kuffler for a million and a and down six hundred thousand francs r notified the lumber-dealer that he nd marks forfeit, as he was unable to the purchase money for his lot. With peculator had sold to the lumber-mer- marks a lot only worth four hundred ing, after paying the fifty thousand arks. The lumber-merchant has now o in tion of considerable experi-

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

315,467. Water-Closet. — Louis and John Brandt, New York, N. Y.

315,471. Roof-Paint Composition. — Daniel Brobst, Portland, Mich.

315,474. Sash-Holder. — Frederick H. Bultmann, Cleveland, O.

315,487. Composition Mastic for covering Roofs, Telegraph-Wires and the Like. — Andrew Derrom, Paterson, N. J.

315,522. Ventilator. — Charles B. Loveless, Worthington, Minn.

315,533. Sash-Balance. — Thomas Morton, New York, N. Y.

315,545. Drawing-Board and T-Square. — Clifford H. Prescott, Lawrence, Mass.

315,557. Artificial Flag-Stone. — Augustus S. Sampson and Daniel G. Peck, Minneapolis, Minn.

315,580. Shutter. — Horatio O. Whyman, Norfolk, Neb.

315,584. Roofing Composition of Tar, Cement, etc. — Karl Wildhagen, Treseburg, Brunswick, Germany.

315,608. Stone-sawing Machine. — John H. Frenier, Rutland, Vt.

315,617-618. Folding Chair or Settee. — Herbert J. Harwood, Littleton, Mass.

315,621. Adjustable Stop for Calipers. — Irving L. Holmes, Providence, R. I.

315,634. Elevator. — David Kennedy, Detroit, Mich.

315,641. Burglar-Alarm. — John H. Luebsen, St. Louis, Mo.

315,652. Cock for House Service and Street-Washer Connections. — John Moss, Brooklyn, N. Y.

315,657. Door-Lock. — Floyd N. Perkins, Bellefontaine, O.

315,663. Saw. — Christopher Richardson, Newark, N. J.

315,679. Lightning-Conductor. — Francis R. Upton, Orange, N. J.

315,681. Shutter-Bolt. — John Von Hollen, Charleston, S. C.

315,711. Manufacture of Hydraulic Cement. Robert Bryce, Louisville, Ky.

315,718. Door-Check. — Jas. W. Callaway, Temple, Tex.

315,720. Scaffold-Iron. — Andrew H. Campbell, Philadelphia, Pa.

315,722. Shingle and Siding Guage. — William H. H. Campbell, Wichita, Kans.

315,726. Extension-Trestle. — Henry H. Childers, Louisville, Ky.

315,734. Safety-Attachment for Elevator-Cars. — Philip Cohn, Nuevo, Laredo, Mexico.

315,748. Bolt. — Jas. J. Devine, Philadelphia, Pa.

315,761. Sliding-Door Lock. — William Gerwien, Chicago, Ill.

SUMMARY OF THE WEEK.

Baltimore.

Building Permits. — Since our last report thirty-five permits have been granted, the more important of which are the following: —

C. S. Firor, 3 two-st'y brick buildings (square), w s Wilmer Alley, n of Smith St.

Geo. W. Donahue, 16 two-st'y brick buildings, n s Preston St., w of Belair Ave.; and 7 two-st'y brick buildings, w s Belair Ave., commencing n w cor. Preston St.

Thos. H. Blick, 7 two-st'y brick buildings, e s Holbrook St., s of Hoffman St.

Patrick Hibbitts, three-st'y brick building, s s Baltimore St., between Carey St. and Carrollton Ave.

L. P. Haslup, four-st'y brick factory, 30' x 33', w s Norris Alley, n of Baltimore St.

Cass & Bros., four-st'y brick building, s s Baltimore St., between Paca and Greene Sts.

J. T. Fahey, 6 two-st'y brick buildings, o s Fulton St., n of McHenry St.

Frederick Burger, 12 two-st'y brick buildings, e s Falls Alley, between Federal and Lanvale Sts.; and 4 three-st'y and 6 two-st'y brick buildings, w s Barclay St., between Federal and Lanvale Sts.

Jesse F. Ely, three-st'y brick building, w s Richmond St., between Tyson and Howard Sts.

Francis McCann, 6 two-st'y brick buildings, w s Ross St., s of Eastern Ave.

E. J. Cromer, 5 two-st'y brick buildings, e s Valley St., n of Preston St.

Jos. Matthews, three-st'y brick building, o s Front St., between Fayette and Low Sts.

F. Portugal, three-st'y brick building, n s Bank St., between Washington and Chapel Sts.

Jas. Doyle, 2 three-st'y brick buildings, w s Jasper St., n of New St.

Frederick Hertel, 5 two-st'y brick buildings, commencing n e cor. Eagle St. and Addison Alley, fronting on Eagle St.

Boston.

Building Permits. — *Brick.* — *West Newton St.*, near St. Botolph St., 2 dwells., 21' 6" and 25' x 47'; owner, L. M. Thompson; builder, Thomas R. White.

West Newton St., cor. St. Botolph St., 2 dwells., 21' 6" and 22' x 47'; owner, G. M. Gibson; builder, Thomas R. White.

Wood. — *Norfolk St.*, near Elizabeth St., poultry-house, 10' x 20'; owner and builder, N. E. Hallace.

Bodwell St., near Bird St., dwell., 28' x 32' 6"; owner and builder, E. McKentnie.

C St., cor. Tudor St., dwell. and bakery, 23' x 39'; owner, John Arroll; builder, P. F. Hanlon.

Paris St., *No.* 256, dwell., 21' x 36'; owner, Michael Powers; builder, J. C. Frame.

Carlton St., near Mt. Vernon St., boat-house, 15' x 25'; owner, Moseley Hines; builder, J. G. Scott.

Clifton St., near Batchelder St., dwell., 20' and 36' x 37' and 38'; owner and builder, J. Breckenridge.

Walnut Ave., *No.* 354, cor. Homestead St., dwell., 26' x 35' 8"; owner, G. H. Williams; builder, Watson Bowers.

Dorchester Ave., *No.* 317, dwell., 24' x 35'; owner and builder, Wm. Peard.

Summit Ave., near Allston St., dwell., 19' x 28'; owner, Patrick Hassett; builder, Richard Ryan.

East Ninth St., near H St., stable, 25' x 25'; owner, W. H. Hart; builders, Holbrook & Harlow.

Dorchester Ave., opposite Greenwich Pl., store and shed, 20' x 30'; owner, John F. Baker; builder, J. H. Wilder.

Dorchester Ave., opposite Greenwich Pl., mechanical, 20' x 30'; owner and builder, same as last.

Allston St., near Melville Ave., workshop, 18' x 25'; owner and builder, J. H. Vinal.

Brooklyn.

Building Permits. — *Rutledge St.*, s s, 100' w Wythe Ave., 2 one-st'y brick valve house and boiler-house, slate roofs; cost, each, $1,200; also, gas-holder tank, cost, $65,000; owner and architect, Nassau Gas-Light Co., Kent Ave. and Cross St.; builder, John McNamee.

Clason Ave., w s, 80' s Putnam Ave., four-st'y brown-stone tenement, tin roof; cost, $12,000; owner, Alfred Churchman, 66 Putnam Ave.; architect, Amzi Hill.

Duryea St., s s, 125' e Broadway, 4 two-st'y frame (brick-filled) dwells., tin roofs; cost, each, $3,800; owners, Joseph Collins and J. Duneday, 66 Woodbine St.; architect, I. D. Reynolds; builder, R. Healey.

Ivy St., n s, 150' e Bushwick Ave., 4 two-st'y frame (brick-filled) dwells., tin roofs; cost, each, $3,500; owner and architect, James C. Brower, 10 Ralph Ave.

Jefferson St., n s, 150' w Central Ave., 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $4,500; owner and builder, C. Dehler, Jefferson St., near Evergreen Ave.; architect, J. Platte.

Evergreen Ave., e s, 25' n Palmetto St., 3 two-st'y frame (brick-filled) dwells., tin roofs; cost, each, $2,000; owner, John F. Ehlers, 310 Stockton St.; architect and builder, W. M. Whitenack.

Tompkins Ave., *No.* 67, three-st'y frame (brick-filled) tenement, tin roof; cost, $3,500; owner, Mrs. Marie Kaiser, 123 Floyd St.; architect, Frank Holmberg; builder, George Loeffler.

Powers St., *No.* 115, n s, 125' w Ewen St., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,470; owner, Matilda J. Meehan, 200 Ainslie St.; builder, G. H. Garrison.

Dean St., s s, 230' e Brooklyn Ave., two-st'y brick dwell., tin roof; cost, $4,500; owner and builder, Arthur G. Stone, 301 Jefferson St.; architect, G. A. Schellenger.

Hancock St., s s, 166' 8" w Marcy Ave., 2 three-st'y brick dwells., tin roofs; cost, each, $9,500; owner and builder, G. H. Stone, 301 Jefferson St.; architect, G. A. Schellenger.

Decatur St., s s, 100' w Reid Ave., 5 two-st'y brick dwells., tin roofs, wooden cornices; cost, each, $3,000; owner, etc., John S. J. King, 1368 Pacific St.

St. Mark's Ave., s w cor. Carlton Ave., three-st'y brown-stone dwell., tin roof; cost, $7,500; owner, etc., John Donovan, 122 St. Marks Ave.

Calyer St., n s, 75' e Manhattan Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $5,000; owner, Leonhard Burgey, 184 Green St.; architect, H. Vollweiler.

Ellery St., *No.* 193, n s, three-st'y frame (brick-filled) tenement, tin roof; cost, $4,000; owner, Maria Ziehn, 193 Ellery St.; architect, H. Vollweiler.

Freeman St., n s, 250' e Oakland St., three-st'y frame (brick-filled) tenement, gravel and cement roof; cost, $4,200; owner, E. Butler, Freeman St.; architect, James Mulhaul; builders, James Doig, Jr., and Gately & Smith.

Woodbine St., *No.* 74, s s, 275' e Bushwick Ave., three-st'y frame (brick-filled) dwell., tin roof; cost, $3,200; owner and architect, John B. Wear, 72 Woodbine St.; contractor, R. Right; mason, not selected.

Washington Ave., *No.* 219, e s, 108' n Willoughby Ave., three-st'y Portland stone dwell., tin roof; owner, J. Henning Smith, 221 Washington Ave.; architect, Edward C. Smith; builders, Squire & Whipple and Mead & Taft.

Quincy St., s s, 225' w Marcy Ave., 3 two-st'y brown-stone dwells., tin roofs; cost, each, $4,200; owner, James Kerr, 298 Quincy St.; architect, Fred. D. Vrooman; builder, Wm. Vrooman.

Fourth St., *No.* 269, w s, 50' s North Tenth St., four-st'y frame (brick-filled) tenement, tin roof; cost, $6,400; owner, Ellen V. Lawrence, 267 Fourth St.; architect, E. F. Gaylor; builder, John Fallon.

Chicago.

Building Permits. — J. Byrne, three-st'y store and dwell., 199 West Twelfth St.; cost, $4,000.

M. J. Livingston, three-st'y store and dwell., 122 Third Ave.; cost, $8,000.

M. Kondzorsky, two-st'y dwell., 657 Dixon St.; cost, $3,000; builder, A. W. Rudnick.

P. Benz, two-st'y dwell., 265 Irving Pl.; cost, $3,000; architect, T. Karls; builders, Kreig & Demuth.

E. B. Sheldon, 4 three-st'y dwells., 52 to 58 St. Clair St.; cost, $15,000.

J. Bordman, three-st'y store and dwell., 2711 Wentworth Ave.; cost, $4,500; architect, J. P. Doerr.

J. F. Mendson, 2 four-st'y stores and dwells., 236 and 238 Halsted St.; cost, $15,000.

D. Marks, 2 three-st'y dwells., 182 and 184 Twenty-fourth St.; cost, $6,500; architect, H. Van Pelt; builders, Gorman & Ethier.

H. P. Nelson, two-st'y dwell., 552 West Superior St.; cost, $2,500; builder, C. Olson.

Framke & Sievers, three-st'y factory, 394 to 398 Hastings St.; cost, $5,000; architect, Wm. Strippelman; builder, Dressel.

J. H. Hull, two-st'y dwell., 789 West Monroe St.; cost, $4,500.

E. L. Smith, three-st'y store and flats, 285 Division St.; cost, $7,000; architect, W. Strippelman; builder, F. Mehls.

J. W. Odell, three-st'y dwell., 560 and 562 Dearborn Ave.; cost, $20,000; architects, Treat & Foltz.

E. W. Kubitz, three-st'y store and flats, 787 Milwaukee Ave.; cost, $4,000; architect, H. Kley.

L. B. Otis, three-st'y store, 195 and 197 Laselle St.; cost, $20,000; architect, J. V. Wadskier.

R. King, two-st'y addition, 224 and 226 North Union St.; cost, $8,000; architects, Furst & Rudolph.

F. Kruska, three-st'y dwell., 822 Ashland Ave.; cost, $3,500.

F. H. Concal, three-st'y dwell., 445 West Nineteenth St.; cost, $3,500.

J. Konopasek, three-st'y dwell., 298 Twentieth St.; cost, $3,200.

C. Warner, three-st'y store and dwell., 74 Twenty-fifth St.; cost, $8,000.

New York.

Rectory. — On the n e cor. of Madison Ave. and Sixtieth St., a rectory for the "Church of the Holy Spirit" is to be built from designs of Mr. R. H. Robertson.

Stores. — For Messrs. L. Sachs & Bro., a five-st'y brick warehouse, iron front, 25' x 100', is to be built at No. 26 West Houston St., at a cost of $30,000, from designs of Mr. Richard Berger.

Warehouse. — On the w s of Water St., between Catherine and Market Sts., a three-st'y brick warehouse, 60' x 11' ', is to be built for Mr. C. Garrick, from plans of Mr. J. H. Valentine.

Flats. — For Mr. John D. Karst, 2 five-st'y brick, stone and terra-cotta flats and stores, 25' x 78' 6", are to be built at Nos. 1872 and 1874 Third Ave., from designs of Richard Berger, at a cost of about $34,000.

For Daniel Tier, 3 five-st'y brick and brown-stone flats are to be built, on the s e cor. of Second Ave. and First St., at a cost of $65,000, from plans of Mr. M. L. Ungrich.

On the e s of Forty-fourth St., between Second and Third Aves., a five-st'y brown-stone flat, 18' x 76', is to be built for Miss Mary Taylor, from plans of Messrs. A. B. Ogden & Son.

For Mrs. Davis, a four-st'y brick and terra-cotta flat and store, 18' x 40', is to be built on the n w cor. of One Hundred and Twenty-sixth St. and Lexington Ave., from plans of Mr. R. Rosenstock.

Building Permits. — *Beach St.*, *Nos.* 53 *and* 55, six-st'y brick factory, gravel roof; cost, $25,000; owner and builder, Joseph Naylor, 107 Duane St.; architect, Oscar S. Teale.

Leroy St., *No.* 19, four-st'y brick stable, tin roof; cost, $12,000; owner, John P. Nichols, 92 Charles St.; architect, John McIntyre; builder, John F. Moore.

Mulberry St., *No.* 42, four-st'y brick tenement, tin roof; cost, $10,000; owner, C. L. Wolfe, by James M. Jackson, Agent, 3 Mercer St.; architect, Fred. Jenth.

West Tenth St., *No.* 148, five-st'y brick tenement, tin roof; cost, $18,000; owner, Chas. Guntzer, 22 East Third St.; architect, Wm. Graul.

East Third St., *Nos.* 302 *and* 304, 2 five-st'y brick tenements and stores, tin roofs; cost, $12,000 and $16,000; owner, Estate A. B. Schermerhorn, Wm. C. Cruikshank, Agent, 111 East Sixty-first St.; architect, Geo. B. Post.

West Sixteenth St., *Nos.* 409 *and* 411, 2 five-st'y brick tenements, tin roofs; cost, each, $14,500; owner, Philip Malone, 248 West Twenty-second St.; architect, James Stroud; builders, Gillespie & Harlow and J. V. and S. J. Donvan.

West Fiftieth St., *No.* 530, five-st'y brick tenement, tin roof; cost, $9,000; owner, Wm. Allewelt, on premises; architect, Chas. Neumeyer.

West Fiftieth St., *No.* 410, five-st'y brick tenement, tin roof; cost, $7,000; owner, Martin Karl, 406 West Fiftieth Sts.; architects, Thom & Wilson; builder, G. A. Zimmerman.

First Ave., *No.* 972, five-st'y brick tenement and store, tin roof; cost, $10,000; owner, Bernard G. Wenning, 970 First Ave.; architects, A. B. Ogden & Son.

Seventh Ave., e s, 23' 6" s Thirty-second St., five-st'y brick tenement, tin roof; cost, $18,500; owner, James J. Morrison, 19 West Thirty-seventh St.; architects, Thom & Wilson; builders, Jacob Vix & Son.

Pier, foot of Twenty-sixth St., East River, two-st'y frame reception-room, tin roof; cost, $20,000; owner, City of New York, Commissioners Charity and Correction, 66 Third Ave.; architect, N. Le Brun.

Thirtieth St., n s, 275' e Tenth Ave., 4 five-st'y brown-stone front tenements, tin roofs; cost, each, $8,000; owner, Peter M. Ramsey, Jersey City; architect, J. C. Burne; builder, not selected.

West Thirty-eighth St., *No.* 321, four-st'y brick tenement, tin roof; cost, $12,000; owner, John D. Hassinger, 319 West Thirty-eighth St.; architect, M. Louis Ungrich.

First Ave., n w cor. Forty-fourth St., three-st'y brick stable and storage-building, gravel roof; cost, $6,500; owner, Patrick Kiernan, President D. Jones Co., on premises; architect, Jos. M. Dunn; builder, Jas. O'Toole.

Seventy-first St., n s, 200' w First Ave., 5 five-st'y brick tenements, tin roofs; cost, each, $15,000; owner, Jennie S. McDonald, 1532 Park Ave.

Eighty-third St., n s, 110' w Third Ave., five-st'y brown-stone front tenement, tin roof; cost, $12,000; owner, B. C. Wandell, 159 East Eighty-third St.; architect, D. J. Macrae.

East Eighty-sixth St., *Nos.* 163 *and* 165, 2 five-st'y brick tenements, tin roofs; cost, each, $23,000; owner, Dr. Valentine Fressler, 105 East Sixtieth St.; architects, Schwarzmann & Buchman; builders, List & Lennon and John F. Moore.

Seventy-second St., n s, 175' w Ninth Avenue, 5

wings as are published in this country. We and brewery planning. — EDS. AMERICAN

RK OF YOUNG ARCHITECTS.

SAVANNAH, GA., March 20, 1885.

MERICAN ARCHITECT: —

to me that you might materially assist of the profession, who are subscribers iving them, through its columns, the upon their efforts. To this end I he younger or "weaker" members of their designs, that you examine and criticism, setting forth the merits or uld any of the drawings be deemed ld be published, if you saw fit. I upon the architectural merit of a ghtsmanship.

our time or patience too much, you tending a helping hand to a certain

ing, the architect is not sought after as a result there is not the same ng men in the profession for self-

ill do much towards pointing out the f designs submitted prove too great small fee to be charged for the ser- while at the same time it would not to be benefited by your criticism.

W. B. W. HOWE, JR.

of an idea to which we have sought fre- ssful success. We often wish we could shing real criticisms of many of the thout a word to show why they are not a currency which is flattering to the for the art. It would be unprofitable for the benefit of an individual, as it would be a dangerous experiment to es for the purpose of explaining that a impossible or atrocious. As for play- ave neither time nor inclination. — EDS.

TE TEATING.

CINNATI, O., April 27, 1885.

ERICAN ARCHITECT: —

r paper to write to John Wiley & *Heating for Buildings, or Hints to* You do not say.

H. T. DUKE & Co.

ator Place, New York. — EDS. AMERI-

LIGHTNING-RODS.

ALBANY, N. Y., April 22, 1885

ERICAN ARCHITECT: —

e me the names and addresses of tting up of lightning-rods?

truly, Y. T.

on Lightning Protection," published our own expert; or address Henry W. N ARCHITECT.]

RCHITECTURE.

PROVIDENCE, April 14, 1885.

ERICAN ARCHITECT: —

k in existence that treats of the the usual Oriental treatment?

H. B. INGRAHAM.

which illustrates the work of the work. — EDS. AMERICAN ARCHITECT.]

CLIPPINGS.

other name has been added to Zoan. aris, the stronghold of the shepherd we have Avaris, Zoan, Tanis, San. monumental proof, just from Mr.

NENT. — A committee of the Société appointed to consider the feasibility the textile and collateral industries. France are rarely, if ever, under they are still longer, being thirteen at Treves and Aix-la-Chapelle, and too, without deductions for Sundays sideration, however, the committee it it is impossible to recommend the petition from England and Germany, t is upon low wages and long hours, excellent system of technical educa- success — competition with England id. — *Maker and Art Finisher.*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

315,815. DRIVE-WELL POINT. — Miles H. Morris, Chicago, Ill.

315,818. STEAM RADIATOR AND HEATER. — Thos. M. Morton, Pittsburgh, Pa.

315,822. KILN FOR BURNING BRICKS. — John O'Brien, Turner's Falls, Mass.

315,836. VAULT-COVER. — John Raynald, Philadelphia, Pa.

315,838. BURGLAR-ALARM. — William H. Reiff, Philadelphia, Pa.

315,839. SET-SCREW. — Frank A. Reiher, Chicago, Ill.

315,845. LATCH. — John R. Scott, Chicago, Ill.

315,849. BRICK-MACHINE. — Peter L. Simpson, Minneapolis, Minn.

315,861. WINDOW-BLIND SLAT-FASTENER. — John M. Van Dyke, Washington, N. J.

315,902. PLASTERING, CALCIMINING AND PAINTING MACHINE. — Theodore H. Brown, Viroqua, Wis.

315,912. APPARATUS FOR COLLECTING AND DRYING THE SEDIMENTARY MATTER OF SEWAGE. — Robert Corscaden, Providence, R. I.

315,930. CONSTRUCTION AND PRESERVATION OF SHINGLE ROOFS. — Henry W. Gates, Kennedy, N. Y.

315,946. PLASTER COMPOUND. — George L. Gregory, Marion, Iowa.

315,958. SKYLIGHT. — Bernard Overman and William H. O'Connor, Washington, D. C.

315,961. STONE-DRESSING MACHINE. — John B. Ross, Rahway, N. J.

315,970. HYDRAULIC ELEVATOR FOR BUILDINGS. — Allan Stirling, New York, N. Y.

315,977. ROOFING FOR BUILDINGS AND OTHER STRUCTURES. — Seth G. Tufts, Maineville, O.

315,999. ALARM FOR SHOP-DOORS. — Antoine Bénézit, Villeneuvesur-Lot, France.

316,037. DOOR-HANGER. — Hiram A. Holmes, Epsom, N. H.

316,050. DUMB-WAITER. — Wellington B. Moyer, Reading, Pa.

316,055. STEAM-RADIATOR. — John B. Pierce and Joseph Bond, Buffalo, N. Y.

316,056. STEAM-RADIATOR. — John B. Pierce, Buffalo, N. Y.

316,057. COMBINED WASTE AND OVERFLOW-VALVE. — William A. Piet, Glenbrook, Conn.

316,070. HYDRAULIC ELEVATOR. — Henry F. Shaw, Boston, Mass.

316,079. PLANE. — Justus A. Traut, New Britain, Conn.

316,083. WALL-DECORATING MATERIAL. — Oliver E. Vail, Chicago, Ill.

316,098. LATCH AND LOCK COMBINED. — Edwin R. Wethered, Woolwich, County of Kent, Eng.

316,110. SEWER-GAS TRAP. — Russel H. Beckwith, New York, N. Y.

316,115. LOCK FOR SLIDING-DOORS. — Geo. Cassady, Valley Springs, Dak.

316,131. SHUTTER-WORKER. — Alvin H. Dodd, Hudson, N. Y.

316,132. LOCK. — John W. H. Doubler, Rockford, Ill.

SUMMARY OF THE WEEK.

Baltimore.

BUILDING PERMITS. — Since our last report sixty permits have been granted, the more important of which are the following: —

S. Frank, five-st'y brick warehouse, n s Baltimore St., between Howard and Eutaw Sts.

J. H. Lee, three-st'y brick building, s e cor. North and Chase Sts.

T. S. Wellenger, three-st'y brick building, n e cor. Chase and Ensor Sts.

C. Nicolaus, three-st'y brick building, n s Biddle St., w of Wilcox Alley.

J. G. Bramble, 11 two-st'y brick buildings, commencing s w cor. Patterson Park and Fairmount Aves.

H. R. Curley, 10 two-st'y brick buildings, e s Scott St., n of Ostend St.

W. J. E. Dixon, 6 two-st'y brick buildings, commencing n w cor. Payson and Marianna Sts., and 7 two-st'y brick buildings, n s Marianna St., w of Payson St.

S. D. Price, 2 two-st'y brick buildings, w s Peabody St., s of Preston St.

Lentz & Lingerman, 2 three-st'y brick buildings, w s Hanover St., between Clement St. and Fort Ave.

J. B. Harig, three-st'y brick building, s s Hill St., between Charles and Hanover Sts.

P. Hanrathy, three-st'y brick building, n e s Richmond St., between Park and Tyson Sts.

Jos. Parson, 9 three-st'y brick buildings, n s Chase St., e of Greenmount Ave.

W. J. H. Gluck, three-st'y brick building, w s Gay St., between Front St. and the Falls.

A. S. Clayton, 2 three-st'y brick buildings, w s Vincent Alley, n of Baker St.

Adolph Storck, three-st'y brick building, w s East St., between Ensor and Hillen Sts.

J. G. Gehring, 2 three-st'y brick buildings, w s Gay St., between East and Chestnut Sts.

Emil Gail, three-st'y brick building, w s Gay St., between East and Forrest Sts.

Michael Dundon, three-st'y brick building, e s Light St., between Warner and Montgomery Sts.

United Brethren Church, 3 three-st'y brick buildings, s s Perry St., between Sharp and Hanover Sts.

Chas. F. Muller, three-st'y brick building, n w cor. Haw and Emory Sts.

Henry Westphal, 9 two-st'y brick buildings, w s Byrd St., s of Barney St., and 10 two-st'y brick buildings, w s Patapsco St., between Heath and Barney Sts.

T. Carter, 6 two-st'y brick buildings, s s McHenry St., commencing s w cor. Norris Alley, and 2 two-st'y brick buildings, w s Norris Alley.

A. Hanneman, 12 two-st'y brick buildings, n s Hanneman Ave., between Ann and Wolfe Sts.

Edw. Key, 16 two-st'y brick buildings, n w s Washington Road, commencing at Stockholm St.

H. Dolman, 6 three-st'y brick buildings (square), n s Smyth St., commencing n e cor. Myrtle Ave.

Wm. B. Whiteside, 3 three-st'y brick buildings, e s Fremont St., n of Dauphin St., and 3 three-st'y brick buildings, n s Dolphin St., e of Fremont St.

Boston.

BUILDING PERMITS. — *Brick.* — *St. Botolph St., Nos.* 113 *and* 115, dwell., 26′ x 42′; owner, Joseph Feldman; builder, O. W. Patrick.

Wood. — *Crawford St.*, near Elm Hill Ave., dwell., 28′ x 34′; owners and builders, Wood & Weatherbee.

Storage, 90′ x 150′; owner, Hoosac Tunnel Dock Elevator Co.; builder, H. W. Ball.

Sumner St., storage, 50′ x 120′; owner, Maverick Wharf Co.; builder, A. J. M. McLaren.

Lee St., near Hayes St., stable, 20′ x 22′; owner, Michael Shanahan.

Batchelder St., cor. Albion St., carriage-house, 20′ x 30′; owner, E. L. Haiser; builder, G. Penney.

Jackson St., near Dorchester Ave., stable and storage, 30′ x 34′; owner, James Young; builder, D. A. Medbury.

Mechanics St., s w, dwell. and carriage-house, 18′ x 22′; owner, Joseph Gahne; builder, Jesse Jones.

Chestnut St., No. 6, dwell. and carriage-house, 18′ x 22′; owner and builder, same as last.

Dorchester Ave., No. 455, stable, 44′ x 100′; owner and builder, L. E. H. Jones.

Milton St., opposite Armandine St., dwell., 23′ x 32′; owner and builder, F. E. Kennedy.

Dorchester Ave., opposite Bay St., dwell. and store, 22′ 6″ x 32′; owner, T. H. Le Masney; builder, John Bass.

West Seventh St., No. 54, dwell., 23′ x 36′; owner and builder, Patrick White.

C St., near West Seventh St., dwell., 19′ x 34′; owner and builder, Edward Devin.

Walnut St., near Ericsson St., dwell., 20′ x 28′; owner, Henry D. Buor; builder, H. P. Oakman.

Brooklyn.

BUILDING PERMITS. — *Metropolitan Ave., No.* 78, s s, near Olive St., three-st'y (brick-filled) tenement, tin roof; cost, $4,500; owner, Patrick McGuire, 349 Maujer St.; architect, E. F. Gaylor; builder, John Rueger.

Pacific St., n s, about 150′ w Nostrand Ave., 2 three-st'y front and four-st'y rear brown-stone dwells., tile and tin roofs; owner, Wm. Evens, Jr., and Chas. S. Whitney, 1218 Pacific St.; architects, Geo. P. Chappell & Co.; builders, James Ashfield & Son and Morris & Selover.

Lorimer St., s e cor. Frost St., 3 three-st'y frame (brick-filled) stores and tenements, tin roofs; cost, each, $4,000; owner, Elizabeth Coleman, Pierrepont House, Brooklyn; architect, E. F. Gaylor; builder, John Fallon.

Sumpter St., n s, 186′ w Rockaway Ave., 3 two-st'y frame (brick-filled) tenements, tin roofs; cost, $5,100; owner, Chas. H. Dyett, 121 East Fifty-seventh St., New York; builder, C. Monds.

Greenpoint Ave., s s, 100′ w Manhattan Ave., 5 two-st'y frame offices, gravel roofs; cost, each, $2,000; owner, Clark D. Rhinehardt, cor. Meserole and Newel Sts.; architect, Fr. Weber; builder, not selected.

West St., s e cor. India St., four-st'y frame tenement, gravel roof; cost, $10,000; owner, Mary E. B. Murray, 297 Washington Park; architect, Fr. Weber; mason, Martin Vogel.

Putnam Ave., n s, 40′ w Throop Ave., 2 three-st'y brown-stone dwells., tin roofs; cost, each, $9,000; owner, John F. Saddington, 462 Willoughby Ave.; architect, F. D. Vrooman.

Seventh Ave., e s, 21′ n Carroll St., 2 three-st'y brown stone dwells., tin roofs; cost, about $7,000 each; owner and builder, Mr. Wooley, on premises; architect, Robert Dixon.

Putnam Ave., n s, 80′ w Throop Ave., 3 two-st'y brown-stone dwells., tin roofs, wooden cornices; cost, each, $7,000; owner, John F. Saddington, 462 Willoughby Ave.; architect, F. D. Vrooman.

Jefferson St., s s, 250′ w Throop Ave., 5 three-st'y brown-stone dwells., tin roofs; cost, each, $6,000; owners, etc., Phillips & Weild, 343 Greene Ave.

Hegeward St., n s, 100′ w Broadway, two-st'y brick stable, tar and gravel roof; cost, $4,500; owner, Henry Newman; architect, Ernest Dennis; builder, John Auer.

Vanderbilt Ave., e s, 114′ s Fulton St., four-st'y brick flat, felt and gravel roof; cost, $14,000; owner and builder, Joseph I. Kirby, 73 Gates Ave.; architect, Amzi Hill.

Lafayette Ave., s w cor. Sumner Ave., four-st'y brown-stone flat, tin roof, wooden cornice; cost, $12,000; owner and builder, P. Concannon, cor. Van Buren St. and Sumner Ave.; architect, I. D. Reynolds.

Lafayette Ave., s s, 25′ w Sumner Ave., 14 two-st'y and three-st'y rear brown-stone dwells., tin roofs; cost, each, $5,600; owner, architect and builder, same as last.

Park Pl., s s, 275′ e Rogers Ave., four-st'y pressed-brick store and tenement, tin roof; cost, $7,000; owner, Peter Murphy, Rochester and East New York Aves.; architect, Ernest Dennis; builder, Charles Harlow.

Plymouth St., s w cor. Main St., 3 five-st'y brick warehouses, gravel roofs; cost for all, $98,000; owner, The Nesmith Estate, 117 Remsen St.; architect and builder, Thomas stone.

Bergen St., No. 290, 150′ w Third Ave., four-st'y brick tenement, gravel roof; cost, $6,000; owner and contractor, Thomas Stone, 471 State St.

Gates Ave., s s, 145′ w Marcy Ave., 4 four-st'y stores and flats, gravel roofs; cost, each, $10,000; owner and builder, W. H. Aldrich, 503 Gates Ave.; architect, Thos. S. Godwin.

Madison St., s s, 190′ e Reid Ave., two-st'y brick dwell., tin roof; cost, $3,600; owner, Conrad Seimell, 585 Lorimer St.; architect, M. D. Randall; builders, I. & J. Van Riper and Stephen & Randall.

Jefferson St., No. 128, s s, 280′ w Evergreen Ave., two-st'y frame (brick filled) dwell., tin roof; cost, $3,500; owner and builder, Chas. Treshmann, cor. Bushwick Ave. and Bremen St.; architect, Th. Engelhardt.

Newell St., e s, 223′ n Nassau Ave., three-st'y frame (brick filled) tenement, tin roof; cost, $4,000; owner, Andrew Waldron, Newell St.; architect, Amzi Hill; builder, S. B. Waldron.

Harrison Ave., No. 116, w s, 45′ n Middleton St., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $4,000; owner, Mrs. Barbara Frank, on premises; architect, Th. Engelbardt; builder, B. Frank.

North Eleventh St., n w cor. Second St., three-st'y brick factory and 3 one-st'y brick factories; cost, total, $10,000; owner and builder, Francis Storms, on premises; architect, E. F. Gaylor.

Freeman St., s s, 50′ w West St., dyewood factory, tin roof; cost, $15,000; owner, N. Y. Dyewood Extract and Chemical Co., 161 Front St., New York; architect, Joseph Ireland; builders, Berton & Nickel and Hamilton & Henry.

Herkimer St., n s, 297′ w Ralph Ave., three-st'y frame tenement, tin roof; cost, $3,950; owner, Louis Klane, Herkimer St.; architect, Jacob Hertlin; builders, Christian Baur and Jacob Hertlin.

Fulton St., s s, 99′ w Grand Ave., three-st'y stone, brick and terra-cotta theatre, etc., tin roof, brick and stone cornice; cost, $35,000; owner, James M. White, 233 Park Pl.; architect, M. J. Morrill; builders, T. B. Kutan and J. T. Stafford.

ALTERATIONS. — *North Eleventh St.*, s s, 188′ 7″ w Third St., six-st'y brick extension, gravel roof; cost, $12,000; owners, Poulson & Elger, North Eleventh St.; architect, F. A. Winslow; builders, W. & T. Lamb, Jr., and B. Gallagher.

Fulton St., Nos. 335 *and* 337, through to Washington St., add one-st'y, also four-st'y brick extension, also new store front; cost, $7,000; owner, Edwin A. Goater, 287 Fulton St.; architect, M. J. Morrell; builders, P. J. Carlin and Morris & Selover.

Bedford Ave., s w cor. Lexington Ave., add three-st'y stores and flats, tin roofs, cost, $18,000; owner, J. H. Ireland, Quincy St., near Bedford Ave.; architect, I. D. Reynolds; builders, C. King and M. C. Rush.

Chicago.

BUILDING PERMITS. — J. Poske, two-st'y dwell., 263 Webster Ave.; cost, $3,000.

N. W. Lodge, I. O. O. F., three-st'y store and hall, 428 West Chicago Ave.; cost, $11,000.

H. G. Hutchinson, 3 two-st'y flats, 79-85 Avon Pl.; cost, $10,000; architects, Wilson & Moody; builders, G. Lehman & Co.

H. V. Bemis, six-st'y hotel, 187 and 188 Michigan Ave.; cost, $22,000; architect, H. V. Bemis; builder, A. Elmer.

J. Buckley, three-st'y store and flats, 895 West Madison St.; cost, $6,000; architects, Wilson & Moody; builders, G. Lehman & Co.

H. E. Rassing, three-st'y flats, 214 Huron St.; cost, $7,000; architect, L. J. Halberg; builder, R. Knight.

Mrs. N. Clark, two-st'y dwell., 880 Washington St.; cost, $5,000; architect, G. A. C. Smith; builder, W. R. Clark.

Sigmond & Co., stable, 192 Chicago Ave.; cost, $4,000; architect, H. Kley.

F. Thulmann, three-st'y store and dwell., 96 Clybourn Ave.; cost, $6,000; architect, Blumenthal.

A. Ganska, two-st'y store and dwell., 880 Twenty-first St.; cost, $4,000; architect, A. Bessler.

Geo. Kronberger, three-st'y flats, 247 Bissell St.; cost, $10,000; architect, T. Karls; builder, P. Young.

M. A. Seymour, three-st'y dwell., 297 Ontario St.; cost, $12,000; architects, Burling & Whitehouse.

R. C. Rounsvelt, 2 two-st'y flats, 292 and 294 Webster Ave.; cost, $8,000.

R. C. Rounsvelt, two-st'y dwell., 296 Webster Ave.; cost, $4,000.

C. M. Youngstrom, two-st'y dwell., 56 Locust St.; cost, $4,000.

H. H. Nathan, three-st'y store and dwell., 1565 Milwaukee Ave.; cost, $7,000; architect, H. Meissner.

C. T. Nash, three-st'y dwell., 329 Ashland Ave.; cost, $6,000; architect, F. B. Townsend.

St. Joseph's Home, four-st'y addition, 407 and 409 South May St.; cost, $10,000; architect, J. Dillenburg.

B. Quirk, 3 two-st'y dwells., 644-654 and 660 Carroll Ave.; cost, $6,000.

C. P. McKay, 2 two-st'y dwells., 287 and 289 Hermitage Ave.; cost, $8,000.

New York.

RIDING-SCHOOL. — For the gentlemen's riding-school, on Fifty-eighth St., between Fifth and Madison Aves., an extension, 50′ x 200′, extending through to Fifty-ninth St., is to be built from plans of Mr. B. L. Gilbert.

STEAM-STATION. — The New York Steam Co. propose to build a steam-station on lots on One Hundred and Fifteenth and One Hundred and Sixteenth Sts. and East River, to cost $500,000.

STORES. — At No. 40 Canal St. a five-st'y brick store and dwell., 21′ x 40′, is to be built for Mr. Chas. Klingenstein, at a cost of $10,000, from plans of Mr. E. W. Graneri.

For Messrs. Donaldson Bros., a five-st'y brick and stone store, about 50′ x 125′, is to be built on the n s of Park St., 110′ 6″ e of Pearl St., to cost $35,000, from plans of Mr. R. H. Robertson.

On Bloomfield and Little Twelfth Sts., between Tenth and Thirteenth Aves., a two-st'y brick and

f James I is to be found, it is well that account of it. The present writer had e so neglected is it that in Bacon's Atlas ly omitted. It was found at last at the et, Strand, half buried in a deep hole, or spice in which the street terminates and s embankment. From being one of the ome the abode of every sort of abomi- undoubtedly right when he demanded wspapers that the Board of Works or ke charge of it. What ought to be done question. It stood originally on the bank imposing entrance to York House, which, Mary and Elizabeth the town inn or Norwich, and then of the Archbishop l to George Villiers, Duke of Bucking- ent manner. A contemporary draw- ures of the Pepysian library at Cam- ned to the gate is not so much for its . Of all the buildings represented in e middle of the seventeenth century, way. It then stood proudly on the en driven away by the Thames em- 130 yards, and the gateway is as com- verus in the Forum of Rome, and in- still further threatened by the pro- Charing Cross, and it seems likely that Let us then pursue its history a little Duke of Buckingham had but a short Restoration, and the site laid out in the position and the names which were urt, Villiers street, Duke street, and name and title of "Steenie" and his ommemorate the whole title that the reet to George court, parallel to the retained that name until the end of called York place.—*Pall Mall Gazette.*

Buildings.— Mr. John Milne, of To- observations of the effects of earth- to the relative security of buildings on no universal rule, but each small area peculiarities. Theory indicates that use it will act as a buffer between the Temple of Diana, at Ephesus, was oint. But experience at Tokio and there is very little, if anything, in the tude of motion is small, but on in the inelastic material a in Jamaica in 1692, and at voided are the edges of cliffs, scarps the foundations of their buildings uses are much shaken. The Japanese top of stones or boulders, and they uropeans and Americans build iron- kes, and they resist them, though they would be; but they are very expen- de of the west coast of South America se — a frame house with a light roof, ke like "a reed shaken by the wind." ends upon their not being firmly at- numerous joints admit considerable ave passes through them before they A cheap aseismic house would be a a number of slightly concave surfaces metal spheres in connection with the n a play-space around them, and not since the vibrational periods of the respond, clashes will occur between result. The pitch of the roof should will be shot off; and the upper parts ht as is consistent with strength.—

— I do not know, nor does the Ency- n, when the contrivance called an introduced into public use. I think, origin, except possibly for hoisting pparatus has, of course, always been vator certainly does not go back over ther curious, therefore, to find in the unt of a visit to Genoa, made by the ter: "Called on Mme. Durazzo, and ne. Ferrai, to the King's palace, for- others, a fine house, full of painting black and white marble commanding ere is a Paul Veronese of a Magdalen Queen sleep together, and on each ssortment of ivory palms, crucifixes, piritual guards for their souls. For e has had a machine made like a car, n the bottom to the top of the house; be at pleasure elevated to any story, a contrivance to let them in and out." r of the modern elevator, for it pos- much more so than the passenger car e Inquisition in the sixteenth century, them up, and then had a bad habit of om and landing them on sharp spikes hen or where they desired to make a

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

BUILDING PATENTS.

[*Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.*]

316,134. Metallic Shingle. — Moses G. Farmer, Newport, R. I.
316,152. Elevator. — Frank S. King, West Brimfield, Mass.
316,172. Tile-Table. — George Potts, Indianapolis, Ind.
316,174. Sliding Window-Screen. — John C. Proctor, Wooster, O.
316,175. Wood Flooring, Ceiling or Dado. — Alfred Putney, London, Eng.
316,193. Sash-Cord Fastener. — Henry Smith, Jr., Baltimore, Md.
316,219. Fastening for Meeting-Rails of Sashes. — Geo. M. Baker, New Britain, Conn.
316,222. Window-Screen Holder. — Henry C. Barlow, Dallas, Tex.
316,264. Weather-Strip. — Edwin V. Heaford, Cincinnati, O.
316,265. Latch. — John W. Helton, Waterloo, Iowa.
316,274. Steam-Heating Boiler. — John W. Latimer, Newark, O.
316,278. Soldering-Tool. — James Mactear, Glasgow, Scotland.
316,282. Sash-Holder. — Jas. McCormick, Princeton, Ind.
316,283. Door-Closer. — John McDonald, Middletown, O.
316,284. Steam-Radiator. — Thomas L. McKeen, Easton, Pa.
316,285. Fastening for Meeting-Rails of Sashes. — Thos. L. McKeen, Easton, Pa.
316,296. Plane. — Louis C. Rodier, Detroit, Mich.
316,301. Shingle-Sawing Machine. — Frank Stahl, Cleveland, O.
316,318. Well-Tube for Drive-Wells. — Willet C. Wells, Tiffin, O.
316,338. Siding-Gauge or Dog. — Augustus C. L. Davis, Norfolk, Neb.
316,341. Bevel. — John W. H. Doubler, Rockford, Ill.
316,361. Fire-proof Floor. — Wm. B. and Chas. H. Hayden, Columbus, O.
316,375. Fire-Escape and Water-Tower combined. — Charles A. Lieb, New York, N. Y.
316,376. Electric Burglar-Alarm. — Frank G. Lyon, Jersey City, N. J.
316,397. Kiln for burning Bricks, Tiles, etc. — Fawcett Plumb, Streator, Ill.
316,413. Support for Gutters of Skylights, Roofs, Vaults, etc. — J. Franklin Stuckert, Philadelphia, Pa.
316,415. Fire-Escape Ladder. — Lorens Swenson, Cresco, Iowa.
316,450. Block Pavement for Streets and Sidewalks and Mould for constructing the same. — Henry G. Fiske, San Francisco, Cal.
316,452. Cutting-Pliers. — Napoleon Gill, Holyoke, Mass.
316,459. Adjustable Bracket. — Woodbury S. How, Cincinnati, O.
316,464. Plastering Trowel. — John C. Huther, Rochester, N. Y.
316,487. Paint-Mixer. — Charles Ross, Jr., Brooklyn, N. Y.
316,493. Hot-Air Stove. — Peter H. Sims and Philip Hohmeier, Waterloo, County of Waterloo, Ontario, Can.
316,495. Seat and Opera-Chair. — William F. Spencer, Richmond, Ind.
316,517. Window-Screen. — William Bateman, San Francisco, Cal.
316,522. Steam-Heating Radiator. — William W. Carman, Exeter, N. H.
316,529. Shutter-Worker. — Leon O. Dion, Natick, Mass.
316,530. Line-Chalker and Plumb-Bob. — James L. Downie and Joseph E. Hardin, Allegheny, Pa.
316,538. Drawing-Board. — Seth W. Goodwin, Toledo, O.
316,555. Window-Bead Fastener. — Egbert E. Masters and Lavirgne J. Kimball, Sacramento, Cal.
316,567. Apparatus for the Intermittent Discharge of Sewage, etc. — George S. Pierson, Kalamazoo, Mich.
316,571. Device for Closing Doors. — Nathan H. Richardson, Brooklyn, N. Y.
316,573. Scaffold-Bracket. — Charles H. Rockwood, Marlborough, Conn.
316,574. Door-Lock. — Robert G. Roland, Beech Grove, Ky.
316,577. Safety-Brake for Elevators. — Friedrich Schnizlein, Munich, Bavaria, Germany.
316,578. Eaves-Trough. — Henry H. Schumann and Charles Muth, Troy, Pa.
316,581. Fire-Extinguisher. — William H. Stratton, New Haven, Conn.
316,582. Sash-Bar. — Herbert A. Streeter, Chicago, Ill.
316,591. Knob-Attachment. — Arthur H. Wood, Lansing, Mich.
316,605. Heating-Stove. — Americus V. Cook, Dexter City, Mo.
316,620. Combined Heater and Ventilator. — Frank R. Henry, Murfreesborough, Tenn.
316,621. Electric Burglar-Alarm. — John H. Hill, Long Island City, and Joseph E. Babcock, New York, N. Y.
316,627. Window-Blind Slat-Holder. — William Jensen, Victoria, British Columbia.
316,633. Fan-Attachment for Elevators. — Richard Marshall, Brooklyn, N. Y.
316,643. Combined Scaffold and Ladder. — Fredrick W. Niebaus, McGirk, Mo.
316,705. Hinge and Frame for Vault-Covers. — Michael S. Weller, Charlestown, W. Va.
316,717. Nail. — John Young, Wheeling, W. Va.
316,757. Fire-Escape. — George Denison, Princeton Junction, N. J.
316,760. Bolt. — Carl F. Diehlmann, Brooklyn, N. Y.
316,772. Heating-Apparatus. — George Gessner, Cumberland, Md.
316,781. Chimney-Cowl and Ventilator. — William G. Henis, Philadelphia, Pa.
316,785. Heating and Soldering Implement. — William A. Hoeveler and Charles Keller, Pittsburgh, Pa.
316,822. Fastening for Meeting-Rails of Sashes. — Wilhelm Pohlmann, Cleveland, O.
316,853. Rain-Water Escape. — Orion De Kay Townsend, Isle St. George, O.
316,861. Chimney-Flashing. — Titus H. Apple, Meadville, Pa.

SUMMARY OF THE WEEK.

Baltimore.

Livery Stable. — Frank E. Davis, architect, is preparing plans for Collins Stewart, Esq., for a three-st'y brick, with stone and terra-cotta finish livery-stable, 120′ x 220′, to be built cor. Boundary St. and Mt. Royal Ave.; cost, $45,000.

Building Permits. — Since our last report forty-five permits have been granted, the more important of which are the following: —

Leander Foreman, 11 three-st'y brick buildings, w s Division St., commencing s w cor. Wilson St.; and 8 two-st'y brick buildings, s s Wilson St., between Division St. and Pennsylvania Ave.

John Kuper, 26 two-st'y brick buildings, e s Calhoun St., between McHenry and Ramsay Sts.

James A. Gary, four-st'y brick warehouse, n s German St., between Hanover and Sharp Sts.

Thos. S. Hughes, 6 three-st'y and basement brick buildings, e s Stricker St., n of Hollins St.

Sally Luntz, three-st'y brick building, n w cor. Bloom and Ettinge Sts.

W. T. Phillips, 6 three-st'y brick buildings, w s Gilmor St., between Fayette and Baltimore Sts.

Jos. M. Cone, 5 three-st'y brick buildings, s s Franklin St., w of Pearl St.

South Baltimore Per. Mutual Life and Saving Association, three-st'y brick building, e s Light St., between Montgomery and Warren Sts.

Boston.

Building Permits. — *Wood.* — *Haywood St.*, near Hazel Pl., dwell., 20′ x 42′; owner, Doll. Jameson; builder, H. J. Bartlett.

Dorchester Ave., near Centre Ave., dwell., 20′ and 27′ x 41′; owner and builder, Ira A. Medbury.

Unnamed St., near Boston St., dwell., 22′ and 25′ x 29′; owner, S. B. Pierce; builder, W. J. Jobling.

Unnamed St., near Hamlet St., 2 dwells., 22′ and 25′ x 29′, owner and builder, same as last.

Dorchester Ave., No. 317, stable, 30′ x 40′; owner, William Peard; builder, W. J. Jobling.

Brooklyn.

Building Permits. — *Kingsland Ave.*, w s, 95′ n Van Cott Ave., 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $4,000; owners, Christ. and Fred. Gerhard, Kingsland Ave.; architect, Th. Engelhardt; builders, Doyle & Brazil and Sammis & Bedford.

Stagg St., n s, 150′ w Waterbury St., 3 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $4,000; owners and builders, Roeder & Kraemer, Bushwick Ave. and Ten Eyck St.; architect, Th. Engelhardt.

Jefferson St., s s, 490′ e Throop Ave., 8 three-st'y brown-stone dwells., gravel roofs; cost, each, $6,000; owner and architect, William Studdiford, 82 Woodhull St.

York St., s e cor. Hudson Ave., 2 four-st'y brick tenements, tin roofs; cost, total, $10,000; owner, architect and builder, Wm. Taylor, 83 Third Pl.

Flushing Ave., n s, 44′ w Marcy Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $3,500; owner and builder, Henry Loeffler, 189a Stockton St.; architect, H. Loeffler, Jr.

India St., s s, 160′ e Franklin St., three-st'y frame (brick-filled) tenement, cement roof; cost, $4,500; owner, Alex. De Groot; architect, F. Weber; builders, J. Doig, Jr., and Gately & Smith.

Herkimer St., n s, 300′ e Howard Ave., 13 three-st'y brick dwells., gravel roofs; cost, each, $3,000; owner and architect, Benj. T. Robbins, Northport, L. I.; builder, E. K. Robbins.

North Eighth St., No. 110, s s, 150′ w Third St., four-st'y brick tenement, tin roof, wooden cornice; cost, $6,500; owner, John Greany, 88 North Fifth St.; architect and contractor, H. Akerly; mason, J. Mead.

Adelphi St., No. 446, w s, two-st'y front, three-st'y rear brick shop, tin roofs, iron cornices; cost, $4,000; owner, James White, 811 Fulton St.; architects, Parfitt Bros.

Vanderbilt Ave., e s, 98′ s Fulton St., four-st'y brick store and dwell., gravel roof; cost, $3,500; owner and builder, Joseph I. Kirby, 73 Gates Ave.; architect, A. Hill.

Bedford Ave., e s, 20′ n Halsey St., three-st'y brick public hall, slate roof; cost, $30,000; owner, Mrs. Kate Anderson, New York; architect and contractor, W. H. Burhaus; mason, E. J. Otis.

Herkimer St., s s, 25′ w Ralph Ave., three-st'y frame tenement (brick-filled); cost, $4,000; owner, John Givens, 177 Stuyvesant Ave.; architect, I. D. Reynolds.

Union St., n s, 109′ e Seventh Ave., 5 three-st'y brown-stone dwells., tin roofs; cost, each, $10,000; owner and builder, John Magilligan, 56 Berkeley Pl.

Vanderbilt Ave., Nos. 246 *and* 248, w s, 146′ n De Kalb Ave., four-st'y brick and sandstone tenement, plastic slate roof; cost, about $30,000; owner, Morris Building Co., Phœnix Building, Court St.; architects, Lamb & Rich; builders, T. Donlon and F. D. Norris.

Bergen St., n s, 250′ w Hoyt St., 6 three-st'y brown-stone dwells., gravel roofs; cost, each, $5,000; owner, T. H. Robbins, 178 Garfield Pl.; architect, A. Hill; builder, S. C. Prescott.

Lexington Ave., s s, 100′ e Bedford Ave., 14 two-st'y brick dwells., tin roofs; cost, each, $3,500; owner, Mary E. Hall, 63 Patchen Ave.; architect, C. G. Hall.

Brooklyn Ave., w s, 20′ s Atlantic Ave., 5 three-st'y brick and brown-stone dwells., fire-proof roofs; cost, each, $3,500; owner, Henry W. Sage, Ithaca, N. Y.; architects, Wm. Field & Son; builders, F. Curran and J. Thing.

Brooklyn Ave., s w cor. Atlantic Ave., 2 four-st'y brick stores and tenements, fire-proof roofs; cost, each, $8,000; owner, architect and builder, same as last.

Twenty-seventh St., n s, 125′ e Fourth Ave., 5 three-st'y brick dwells., tin roofs; cost, each, $4,000; owner, Mrs. Matilda Goodwin, 123 Twenty-eighth St.; builder, J. P. M. Goodwin.

Gates Ave., s s, 250′ e Stuyvesant Ave., four-st'y brick store and tenement, tin roof; cost, $9,000; owner, John Wiegel, Gates Ave., n e cor. Stuyvesant Ave.; architect, J. T. Perry.

Third Ave., e s, 100′ s Seventeenth St., three-st'y frame store and dwell. (brick-filled), tin roof; cost, $4,145; owner, Jacob Harding, Third Ave.; architect, H. Skinner; builder, Jno. Sorensen.

Gates Ave., n w cor. Lewis Ave., 5 three-st'y brick stores and tenements, tin roofs; cost, each, $9,000; owner, L. P. McGarry, 583 Monroe St.; architect, J. McGarry.

Marcy Ave., w s, 25′ s Ellery St., 6 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $4,000; owner and builder, George Straub; architect, Th. Engelhardt.

Stockton St., No. 296, n s, 127′ e Sumner Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,000; owner and builder, John Watson, on premises; architect, Th. Engelhardt.

Lynch St., s w cor. Marcy Ave., three-st'y frame store and dwell., tin roof; cost, $3,800; owner, Mrs. Margaret Mulvihill, 155 Lynch St.; architect, H. Vollweiler; builder, N. Mulvihill.

Marcy Ave., n w cor. Park Ave., three-st'y frame store and tenement (brick-filled), tin roof; cost, $5,000; owner and builder, George Straub, 11 Lewis Ave.; architect, Th. Engelhardt.

Shafer St., s s, 120′ w Bushwick Boulevard, two-st'y frame dwell., tin roof; cost, $3,800; owner, Geo. Schwarz, Clarkson Ave., Flatbush; architect, G. Hillenbrand; builder, C. M. Rocker.

Marcy Ave., s w cor. Ellery St., three-st'y frame store and tenement (brick-filled), tin roof; cost, $5,000; owner and builder, George Straub; architect, Th. Engelhardt.

Marcy Ave., w s, 22′ s Lynch St., 3 three-st'y frame tenements (brick-filled), tin roof; cost, each, $4,000; owner, Mrs. M. Mulvihill, 155 Lynch St.; architect, H. Vollweiler; builder, N. Mulvihill.

Columbia St., No. 128, s e cor. Degraw St., rear, five-st'y brick store and tenement, tin roof; cost, $6,000; owner, T. B. Woolsey, 1380 Broadway, New York; architect, G. E. Harding.

Hancock St., n s, 100′ w Nostrand Ave., 3 three-st'y brown-stone dwells., tin roofs; cost, each, $9,000; owner and builder, S. E. C. Russell, 58 Hancock St.; architect, I. D. Reynolds.

Quincy St., s s, 70′ e Marcy Ave., 4 two-st'y front and three-st'y rear brick and brown-stone dwells., tin roofs; cost, each, $5,000: owners, Tomkins & McIndoe, 542 Marcy Ave.; architect, E. F. Gaylor; builders, S. J. Burrows and E. Hendrickson.

Franklin Ave., n e cor. Pacific St., three-st'y brick and brown-stone store and dwell., tin roof; cost, $6,000; owner and builder, D. H. Fowler, 777 Bedford Ave.; architect, W. M. Coots.

Pacific St., n s, 55′ e Franklin Ave., four-st'y brick tenement, tin roof; cost, $10,000; owner and builder, D. H. Fowler, 777 Bedford Ave.; architect, W. M. Coots.

Wyckoff St., No. 92, s s, 175′ e Smith St., four-st'y brick tenement, tin roof; cost, $8,000; owners, Jezek & Moller, 147 East Forty-fourth St., New York; architect, F. Jezek.

Twenty-third St., n s, 250′ e Third Ave., 2 three-st'y brick tenements, tin roofs; cost, each, $6,000; owners, S. K. & E. H. Frost, 100 Park Pl., New York; architect, W. M. Calder; mason, not selected; contractor, A. G. Calder.

Willoughby St., n s, 50′ e Bridge St., two-st'y brick store and dwell., tin roof; cost, $5,000; owner, Dr. Shepard, 174 Willoughby St.; architect and builder, C. P. Skelton.

Sixteenth St., s s, 79′ w Third Ave., 2 three-st'y frame tenements, tin roofs; cost, each, $3 250; owner, Henry Schwartje, Third Ave. and Sixteenth St.; builder, John Sorenson; architect, W. H. Wirth.

Alterations. — *North Tenth St.*, foot of, add one-st'y building; cost, $10,0 0; owner, Pratt Manufacturing Co., foot North Twelfth St.; architect, T. R. Robbins; builder, not selected.

Bedford Ave., No. 191, three-st'y and basement brick extension, tin roof, iron cornice; cost, $10,000; owner, Walter M. Lock, on premises; architect, E. F. Gaylor; builder, J. Schermerhorn.

Clinton Ave., No. 491, new bay-window on front, also interior alterations and new window in gable; cost, $5,000; owner, J. J. Williams, 160 John St., New York; architect, M. Lambkin; builders, J. Kent and L. W. Seaman, Jr.

Chicago.

Building Permits. — D. Pyott, 2 two-st'y dwells., 689 and 691 West Harrison St.; cost, $7,000.

J. Clark, four-st'y shop, 13 North Jefferson St.; cost, $8,000.

MAY 9, 1885

J. J. Kelly, two-st'y dwell., 191 Sheffield St.; cost, $3,000; architect, Anderson; builder, Wakeman.

G. Weissmann, two-st'y store and dwell., 490 Franklin St.; cost, $4,000.

M. Prykauzer, two-st'y flats, 206 Mohawk St.; cost, $4,500.

Fisher & Holling, bakery, Sebor St.; cost, $4,500.

Nolan & Callahan, three-st'y store and flats, 129 to 135 Wells St.; cost, $22,000; architect, J. Speyer; builder, T. Keating.

H. Stern; two-st'y dwell., 2915 Prairie Ave.; cost, $12,000.

F. Truka, two-st'y store and dwell., 604 Jefferson St.; cost, $3,300.

J. Nerad, three-st'y store and dwell., 151 Bunker St.; cost, $5,000.

Church of the Covenant, one-st'y church, 1023 North Halsted St.; cost, $9,000.

J. L. & C. N. Griffith, 2 three-st'y dwells., 180 and 182 Sebor St.; cost, $8,000.

J. Liebtenthal, three-st'y dwell., 140 Larrabee St.; cost, $4,000.

J. P. Doerr, three-st'y store and dwell., 2808 Wentworth Ave.; cost, $4,000.

H. C. Kriete, two-st'y dwell., 73 Lincoln Ave.; cost, $6,500; architects, Schaub & Berlin.

J. Schaen, three-st'y dwell., 555 Hulbert St.; cost, $7,500; architects, Furst & Rudolph.

J. Hannon, two-st'y flats, 3753-3757 Forest Ave.; cost, $9,500; architects, Thomas & Rogers.

Mrs. H. G. Stockton, 3 three-st'y dwells., 11-19 Belleview Pl.; cost, $12,000.

M. Hogan, two-st'y dwell., 260 Fourteenth St.; cost, $2,500.

L. Koehn, three-st'y store and dwell., 147 North Ave.; cost, $8,500.

William H. Harper, manager, elevator-building, Haines St. and North Branch; cost, $180,000.

B. Klein, three-st'y flats, 2621 Portland St.; cost, $3,000.

N. W. Horse Nail Co., office, 232 South Clinton St.; cost, $2,500.

C. Holman, two-st'y dwell., 998 West Congress St.; cost, $3,000.

F. Frantzen, three-st'y dwell., 113 West Ohio St.; cost, $5,500.

M. C. Stearns, two-st'y dwell., Twenty-seventh and Lime Sts.; cost, $5,400.

M. C. Stearns, three-st'y dwell., 27 Douglas Ave.; cost, $8,000; architects, Adler & Sullivan.

Trinity Methodist Mission Church, three-st'y church, 2336-2340 Wentworth Ave.; cost, $24,000; architect, W. A. Furber.

J. G. Shortall, two-st'y dwell., 1600 Prairie Ave.; cost, $10,000; architect, C. A. Alexander.

J. W. Garvey, three-st'y store and dwell., 226 and 228 West Eighteenth St.; cost, $6,000.

H. Iverson, three-st'y dwell., 178 West Huron St.; cost, $4,000.

J. Panos, three-st'y dwell., 15 Johnson St.; cost, $4,500.

J. Hickey, two-st'y store and dwell., Erie and Wood Sts.; cost, $4,000.

Mrs. McLaughlin, three-st'y dwell., 309 Loomis St.; cost, $3,700.

M. A. Devine, 2 three-st'y stores and dwells., 68 and 70 North State St.; cost, $13,000; architect, J. J. Egan.

J. Rodant, two-st'y dwell., 3140 Laurel St.; cost, $3,000.

R. Excell, two-st'y dwell., 19 Bryant Ave.; cost, $10,000; architect and builder, R. Excell.

Geo. Healy, two-st'y dwell., 55 Cedar St.; cost, $9,000.

T. Sheldon, two-st'y dwell., 33 Belleview Pl.; cost, $6,000.

P. Nelson, three-st'y store and flats, 22 Milton Ave.; cost, $4,000.

Western Ave. Baptist Church, addition; cost, $6,000.

H. Hoepe, 3 cottages, 105-111 Lubeck St.; cost, $2,700.

W. Balcom, additional story, 2027 Michigan Ave.; cost, $5,000.

H. McNulty, three-st'y store and dwell., 3256 Lasalle St.; cost, $6,500; architect, W. L. Carroll.

O. Oleson, three-st'y flats, 693 West North Ave.; cost, $2,500.

J. J. Healey, 2 three-st'y dwells., 19 and 21 Lane Pl.; cost, $10,000; architect, J. J. Clifford; builder, S. Hayes.

J. H. Dahmke, three-st'y store and dwell., 980 Lake St.; cost, $4,500.

COMPETITION.

STATE-HOUSE. [At Denver, Col.]

STATE OF COLORADO,
OFFICE OF THE BOARD OF CAPITOL MANAGERS,
DENVER, April 16, 1885.

In pursuance of an Act of the Fifth General Assembly of the State of Colorado, entitled "An Act to provide for the erection of a State Capitol Building at the City of Denver, and creating a Board of Management and Supervision, and appropriating funds therefor," plans and specifications for a Capitol building which, when erected, shall not cost to exceed one million of dollars, will be received by the Board of Managers **until 12 o'clock meridian, on the tenth day of July, 1885.**

The said Capitol building will be erected upon the summit of a plat of ground in the city of Denver, State of Colorado, known as Capitol Hill, with its principal façade to the west. The length of said building to be about 300′, and no plans will be considered for a building that are over 310′ in length. The breadth, height and general form must be in such proportion to its length as to constitute a symmetrical building, and must be constructed with special regard to strength and durability. The facing and ornamentation of the superstructure, including cornices, pediments and ballustrades, will be of stone.

Drawings must consist of foundation, sub-basement, basement, or first, second or third story plans, roof plans, and section of same, longitudinal section, transverse section, front, rear and end elevations, dome plan, giving section of same and material used, and method of construction from base to summit. Also giving diameter or area of base, style of architecture and extreme elevation.

The said Capitol building shall be built of stone, brick and iron, as far as practicable, and of material found in the State of Colorado, provided the same can be found in said State as cheaply as other materials of like quality in other localities. The entire building must be made as nearly as possible fireproof. The laws of acoustics must be carefully observed. The materials used in said building must be of the best quality. Provision must be made for steam-heating apparatus, and for the drainage, lighting and ventilation of said building in the most approved manner; and such a number of fireproof vaults as may be necessary for the preservation of the books and papers of the various departments of the State Government; also for elevators, water closets, etc.

All plans and scale drawings must be put on wooden frames or stretchers in order that they may be convenient for examination, and on a scale of one-eighth of an inch to one foot.

Compensation for plans and specifications will be as follows: For the best set of plans and specifications the sum of $1,500; for the second, $1,000; for the third, the sum of $500. All plans and specifications for which money is paid shall become the property of the State. The architect whose plans are adopted will be required to furnish the same in duplicate. For the detailed working plans and supervision, the amount shall not exceed two and one-half per cent of the cost of said building. No plan will be adopted until it shall be definitely ascertained that the entire cost of said Capitol building shall not exceed the sum of $1,000,000.

Said building must contain the following rooms, and such other rooms as convenience and symmetry require:

The sub-basement shall be eight feet between joists, and adapted to the use of the machinery, etc., of the building.

The basement story to be not less than fourteen feet between joists, and extend twelve feet above the surface of the surrounding ground. Said basement story to be divided into rooms to be used for the Adjutant-General's quarters, Historical Society, Horticultural Society, State Geologist and Mineral Cabinet, Commissioner and Inspector of Mines, and Storage Rooms.

First, or principal office story, to be not less than twenty feet between joists, and to contain, as near as practicable, the following rooms, to wit:

Three rooms for the Governor.
Same for Secretary of State.
Three rooms for Auditor of State.
Same for State Treasurer.

Two rooms for Insurance Department, two rooms for Attorney-General, three rooms for State Engineer, three rooms for Railroad Commissioner.

Four rooms for State Board of Land Commissioners, three rooms for Superintendent of Public Instruction.

Second, or double story, to be not less than forty-two feet between joists. The Senate Chamber, Hall of House of Representatives, Supreme Court Room and State Library to be of full height, other rooms to be approximately half of said height.

One Senate Chamber, with lobbies and galleries of appropriate dimensions, to accomodate fifty Senators; one room for Lieutenant-Governor and President, one room for Secretary of Senate, one Post-office, one Stationery and Bill room, one Sergeant-at-Arms room, cloak room, lavatory and closets; two rooms for Engrossing Committee, two rooms for Enrolling Committee, and not less than ten other appropriate committee rooms for use of Senate.

One hall for House of Representatives, with lobbies and galleries of appropriate dimensions, to accomodate one hundred members; one room for Speaker of the House, one room for Chief Clerk of House, one Post-office, one Stationery and Bill room, one Sergeant-at-Arms room, cloak room, lavatory and closets, two rooms for Engrossing Committee, two rooms for Enrolling Committee, and not less than ten other appropriate committee rooms for the use of House of Representatives.

One State library room, one Librarian's room, and ten committee rooms.

One Supreme Court room, one law library room, one Clerk of Court room, one Marshal of Court room, one consultation room, six judges' private rooms, with fireproof vaults, lavatory and closets attatched.

Public lavatory and closets on each floor of said building.

The drawings must be sent to the "Board of Capitol Managers," Denver, Colorado, and be endorsed "Plans for State Capitol Building," and must come under a *nom de plume*, the real name and address to be sent to the Board of Managers in a sealed envelope, marked "private," which will not be opened until after the award is made.

The Board reserves the right to reject any and all plans.

For further information apply to

BOARD OF CAPITOL MANAGERS.

GEO. T. CLARK, Secretary. P. O. Box, 2291.

490

PROPOSALS.

IRON-WORK. [At Syracuse, N. Y.]

OFFICE OF SUPERVISING ARCHITECT,
TREASURY DEPARTMENT,
WASHINGTON, D. C., April 30, 1885.

Sealed proposals will be received at this office **until 2 P. M., on the 21st day of May, 1885,** for furnishing and setting in place the iron columns of first story, and all the iron beams, girders, channels, angles, etc., for the second, third, fourth and attic story floors of the post-office, court-house, etc., building at Syracuse, N. Y., in accordance with drawings and specification, copies of which and any additional information may be had on application at this office or the office of the Superintendent.

Bids must be accompanied by a certified check for $500, drawn to the order of "The Secretary of the Treasury," as a guaranty that the bidder will enter into a contract, if his bid is accepted, and furnish a bond equal to the amount of the contract.

Bids received after the time of opening will not be considered.

M. E. BELL, Supervising Architect.

490

PROPOSALS.

HEATING AND PLUMBING. [At Traverse City, Mich.]

TRAVERSE CITY, MICH., April 28, 1885.

Sealed proposals will be received at Traverse City, Mich., by the Board of Commissioners of the Northern Asylum for the Insane, **until 10 A. M., of Thursday, June 4, 1885,** at which time said proposals will be opened, for all labor and materials required for the heating and plumbing, either or both, of the Northern Asylum for the Insane, at Traverse City, Mich., including radiators, steam distribution, hot and cold water distribution, hot-water boilers, tanks, pumps, bath-room, lavatory and closet, fixtures, etc., in accordance with plans and specifications adopted by said Board.

Said plans and specifications can be examined at the office of the superintent, at the Northern Asylum, on and after May 11, 1885.

For further information relative to the plans or conditions, address, C. M. WELLS, Superintendent.

By order of the Board of Commissioners. 492

LATHING AND PLASTERING. [At Frankfort, Ky.]

OFFICE OF SUPERVISING ARCHITECT,
TREASURY DEPARTMENT,
WASHINGTON, D. C., April 24, 1885.

Sealed proposals will be received at this office **until 2 P. M., on the 22d day of May, 1885,** for all lathing and plastering required in the court-house, post-office, etc., building at Frankfort, Ky., in accordance with drawings and specification, copies of which and any additional information may be obtained on application at this office or the office of the superintendent.

Bids must be accompanied by a certified check for $300.00, drawn to the order of the Secretary of the Treasury, as a guarantee that the bidder will enter into a contract, if his bid is accepted, and furnish a bond equal to the amount of contract.

Bids received after the time of opening will not be considered.

M. E. BELL, Supervising Architect.

489

IRON-WORK. [At Hannibal, Mo.]

OFFICE OF SUPERVISING ARCHITECT,
TREASURY DEPARTMENT,
WASHINGTON, D. C., April 30, 1885.

Sealed proposals will be received at this office **until 2 P. M., on the 21st day of May, 1885,** for furnishing and fixing in place, complete, the iron columns for first story, and all iron beams, girders, channels, etc., for the second and third story floors of the post-office, etc., building at Hannibal, Mo., in accordance with drawings and specifications, copies of which and any additional information may be obtained at this office or the office of the superintendent of the building.

Bids must be accompanied by a certified check for $300, drawn to the order of the Secretary of the Treasury, as a guarantee that the bidder will enter into a contract, if his bid is accepted, and furnish a bond equal to the amount of the contract.

Bids received after the time of opening will not be considered.

M. E. BELL, Supervising Architect.

490

SLATING. [At Toledo, O.]

OFFICE OF SUPERVISING ARCHITECT,
TREASURY DEPARTMENT,
WASHINGTON, D. C., May 1, 1885.

Sealed proposals will be received at this office **until 2 P. M., on the 29th day of May, 1885,** for furnishing and laying all the slate required for the roof of the custom-house, etc., building at Toledo, O., in accordance with drawings and specification, copies of which and any additional information may be had on application at this office or the office of the superintendent.

Bids must be accompanied by a certified check for $200, drawn to the order of the Secretary of the Treasury, as a guarantee that the bidder will enter into a contract, if his bid is accepted, and furnish a bond equal to the amount of the contract.

Bids received after the time of opening will not be considered.

M. E. BELL, Supervising Architect.

490

GRAVING DOCK. [At Esquimault, B. C.]

DEPARTMENT OF PUBLIC WORKS,
OTTAWA, March 20, 1885.

Sealed tenders addressed to the undersigned, and endorsed "Tender for Caisson, Graving Dock, B. C," will be received at this office, **until Monday, the 1st day of June, 1885,** inclusively, for the construction, erection and placing in position of a caisson for the graving dock at Esquimault, B. C., according to plans and specifications to be seen at the Department of Public Works, Ottawa, and on application to the Hon. J. W. Trutch, Victoria, B. C.

Persons tendering are notified that tenders will not be considered unless made on the printed forms supplied, the blanks properly filled in, and signed with their actual signatures.

Each tender must be accompanied by an *accepted* bank check for the sum of $2,000, made payable to the order of the Honorable the Minister of Public Works, which will be forfeited if the party decline to enter into a contract when called on to do so, or if he fail to complete the work contracted for. If the tender be not accepted, the check will be returned.

The Department will not be bound to accept the lowest or any tender.

By order, A. GOBEIL, Secretary.

489

(*Continued on page xii.*)

ient. — The recent meeting of the
ars to have been a resolute step in
grand monument to commemorate
disclosed the important fact that
the erection of the artistic innova-
sign, under the leadership of E. J.
mended to the Monument Associa-
the fact that it is the parent of
urer of the legislative charter, and
fund, about $85,000, for monument
0,000 voted by Congress, $30,000
ssachusetts and New Hampshire,
vidual contributions. Inasmuch as
vailable, owing to rigid charter re-
a design selected by the Associa-
nited States, also the Governors of
of consequence has been realized
o, has awaited the slothful action
greeing upon a design. It is now
be decided on in August; also,
building the monument. Much
the present fund is ample to build
ter prohibiting any work thereon
tion should be at the command of
wever, of the masses of the people,
reased by interest accumulations,
imposing, symmetrical, symbolical
the decisive victory. It is under-
en a monument can be found near
inental store-house at the Centre
. It is felt that the majesty of art
considerations, rather than simply
res, which ignore patriotism, the
ble history of this struggle for lib-
rred to appointed a committee of
of your city as chairman, to obtain
tee is a sort of "council of safety"
onument project. The whole tenor
oped unmistakably the earnestness
mistake should be made, no funds
noble undertaking. A. P. Childs of
an honorary member of the society.
publican.

— Captain Parselle of the White
following yarn in the New York
ave id-ocean: "About three
Eng called at Queenstown.
Gray, Secretary of the London
known man, whose word is as good
ith the following story and said he
precisely when I don't just now
ent in the Eddystone light-house.
solid rock which the sea entirely
is a circular iron [sic] tower, hollow
diameter. The materials which were
ught by steamers to the rock, and
the light-house, through which they
re. Then they were hoisted up by
se. One afternoon the son of the
of age, was standing at the top of
his hollow space, a distance of 140
he became dizzy and fell headlong
ortune and Providential moment a
describing, broke against the light-
not been closed, and in the twinkling
young man fell, the water rushed in
low tower, and received the falling
water left him, alive and none the
at the tower's base!"

ier. — For thirty-five years past a
as drawn a supply of water for his
clay and sand, and, by means of a
chalk layer at a distance of over 500
well was owned by a neighbor, who,
verted it into a sewer by direct con-
nit was that the brewer's well was
mmon to both. The brewer brought
and in the first instance was defeated,
rt the decision was reversed, and the
has a right to pollute a subterranean
other person. — *Hydraulic Plumber.*

e entire city of Virginia, Nevada, has
east since the big fire of 1875. The
is known to be gradually sliding down
and has moved nearly two feet since
so gradual that it does not affect in any
ngs, as the ground to a depth of nearly
ck is known to be continually sliding.
practical miners that the ground on
what is termed a slide, and that it is
undred feet before finding the natural

ati. — The Builders' Exchange has re-
to enact a building-law for this city and
ing. A committee has been appointed
a readi r the Legislature next fall.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

316,871. Latch. — Edward W. Brettell, Newark, N. J.

316,875. Sash-Fastener. — William J. S. Bryan and Ira Boutell, St. Louis, Mo.

316,895. Construction of Houses. — Alva Hubbard, Baltimore, Md.

316,898. Chimney-Cap or Ventilator. — Moses W. Kidder, Lincoln, Mass.

316,904. Brick-Kiln. — Seth B. Moe, Chattanooga, Tenn.

316,939. Brick-Press. — Joseph R. Bowers, Concord, N. H.

316,940. Window-Glass Fastener. — John Braun and Ferdinand Bohn, Buffalo, N. Y.

316,960. Platform for Fire-Escapes. — Richard Hammill, Chicago, Ill.

316,962. Waste-Pipe Trap and Valve. — Patrick Harvey, Chicago, Ill.

316,964. Roofing Compound. — Henry C. Hawes and James E. Green, 2d, Belleville, N. Y.

3169,66. Automatic Flushing-Apparatus. — Byron J. Healy, Kalamazoo, Mich.

316,969. Fire-Escape. — William F. High, Reading, Pa.

316,976. Apparatus for Cooling Buildings, etc. — Henry C. Johnson, Meadville, Pa.

317,004. Mixed Paint. — William F. D. Pascoe, James Moller Haines and John Butland, South Easton, Pa.

317,005. Hot-air Furnace. — Lewis Patric, Springfield, O.

317,006. Combined Open Grate and Heater. — William W. Patton, Philadelphia, Pa.

317,011. Trap for Eaves-Troughs. — William B. Porter, Troy, Pa.

SUMMARY OF THE WEEK.

Baltimore.

Building Permits. — Since our last report forty-three permits have been granted, the more important of which are the following: —

S. R. Robinson, 4 two-st'y brick buildings, e s Fulton St., s of Baker Circle.

John G. Vaupel, three-st'y brick building, s s Hamburg St., e of Creek Alley.

Wm. Carback, 4 two-st'y brick buildings, w s Chapel St., between Eager and Chase Sts.

E. H. Presan, three-st'y brick building, e s Pennsylvania Ave., between McMechen and Wilson Sts.

C. Zeigler, three-st'y brick building, s s Baltimore St., between Frederick St. and Market Space.

John Clark, three-st'y brick building, s w cor. Randall and Patapsco Sts.; 2 two-st'y brick buildings, s s Randall St., and 2 two-st'y brick buildings, w s Patapsco St., s of Randall St.

John Behrner, three-st'y brick building, n e cor. Hanover and Church Sts.

Geo. C. Hershman, 4 two-st'y brick buildings, w s Chesapeake St., s of O'Donnell St.

M. Martin, three-st'y brick building (square), e s Charles St., between Hoffman St. and Jones Falls.

J. H. Rosengam, 2 three-st'y brick buildings, n s Sarah Anne St., between Myrtle Ave. and Fremont St.

E. W. Gorman, 7 two-st'y and mansard brick buildings, e s Patterson Park Ave., n of Fairmount Ave.

J. P. Brandon, 2 two-st'y brick buildings, w s Ropewalk Alley, s of Heath St.

S. S. Clayton, four-st'y brick building, s s Fayette St., between Charles and St. Paul Sts.

M. De Athley, five-st'y brick building, in rear n e cor. Eutaw and Camden Sts.

Boston.

Building Permits. — *Wood.* — *Saratoga St.*, stable and car-house, 112′ x 119′; owner, Metropolitan R. R. Co.; builder, John Quirk.

Pynchon St., Nos. 215, 217, 219 *and* 221, dwell., 20′ x 40′; owner, Mrs. Hannah Dudley; builder, Wm. Tobin.

East Third St., Nos. 619 *and* 621, dwell., 20′ x 28′; owners, R. & A. Woodsome; builder, J. Hastey.

C St., near Boylston St., dwell., 25′ x 45′; owner, Solomon Jacobs; builder, Alexander McDonald.

Call St., near Caroline Ave., dwell., 23′ x 32′; owner, James Tirrell.

Williams St., near Forest Hill St., carriage-house, 16′ x 34′ and 37′; owner, Miss Susanna E. Cary; builder, F. B. Moses.

Cambridge St., near Mansfield St., dwell., 24′ and 26′ x 34′; owner, Joseph S. Paine; builder, F. W. Stevens.

Blue Hill Ave., near Brookford St., dwell., 22′ x 44′; owner, Delia Kerrigan; builders, Gilbert & White.

Brooklyn.

Granite Contract. — The contract for stone-work on the Brooklyn Post-office building has been awarded to the Bodwell Granite Company, of Maine, at its bid of $94,000.

Building Permits. — *Gold St., No.* 242, w s, 150′ s Concord St., four-st'y frame tenement (brick-filled), tin roof; cost, $4,500; owner, Henry Rausch, 244 Gold St.; architect, F. J. Berlenbach, Jr.

Eleventh St., s s, 97′ 10″ w Fifth Ave., 12 two-st'y brown-stone dwells., tin roofs, wooden cornices; cost, $6,000; owner and contractor, S. B. Oulton, 188 One Hundred and Thirty-eighth St.; architect, — Wirth; mason, — Dunkley.

Fourth St., w s, 25′ n North Tenth St., 6 four-st'y frame tenements (brick-filled), tin roof; cost, each, $5,000; owner, Henry Hamilton, 286 Fourth St.; architect, A. Herbert.

North Tenth St., n w cor. Fourth and North Eleventh Sts., s w cor. Fourth St., 2 four-st'y frame stores and tenements (brick-filled), tin roofs; cost, each, $5,500; owner and architect, same as last.

Madison St., s s, 300′ w Ralph Ave., 4 three-st'y frame tenements, tin roofs; cost, each, $3,000; owner, Peter Young, 209 McDonough St.; architect and builder, W. J. Conway.

Halsey St., n s, Patchen to Ralph Aves., 45 three-st'y frame tenements, tin roofs; cost, each, $3,000; owner, Peter Young, 209 McDonough St.; architect and builder, W. J. Conway.

Putnam Ave., s s, 300′ w Ralph Ave., 12 three-st'y frame tenements, tin roofs; cost, each, $3,000; owner, Peter Young, 209 McDonough St.; architect and builder, W. J. Conway.

Prospect Ave., s s, about 200′ e Sixth Ave., 5 three-st'y frame tenements, (brick-filled), tin roofs; cost, each, $4,000; owner and contractor, Richard Chidwick, 404½ Seventeenth St.; architect, W. H. Wirth; mason, O. O'Keefe.

Broadway, s w cor. Bartlett St., four-st'y brick store, tin roof, iron cornice; owner, J. M. Reinhart, on premises; architect, A. Herbert; builders, U. Maurer and J. Rueger.

Park Ave., s s, 75′ e Grand Ave., three-st'y tenement, tin roof; cost, $4,300; owner, August Postel, 341 Park Ave.; architect, S. Harbison; builders, P. Sheridan and R. Ford.

Lexington Ave., n s, 350′ e Bedford Ave., 15 two-st'y brick dwells., gravel roofs; cost, each, $4,500; owner, Thos. H. Robbins, 178 Garfield Pl.; architect, A. Hill; builders, J. R. Robbins and S. C. Prescott.

Prospect Pl., n s, 320′ e Albany Ave., one-st'y brick boiler-house and laundry, tin roof; cost, $5,000; owner, Roman Catholic Orphan Asylum; architect, Wm. Schickel.

Chicago.

Building Permits. — H. Fischer, two-st'y dwell., 595 Larrabee St.; cost, $4,000.

Dr. Madison, four-st'y store and dwell., 417 West Madison St.; cost, $10,000.

Le Grand Company, additional story, 430 North Clark St.; cost, $3,000.

Mrs. K. Curtis, two-st'y dwell., 192 North Wood St.; cost, $2,500.

R. B. Smith, three-st'y dwell., 13 Granger St.; cost, $4,000.

Zion Congregation, church, Washington Boulevard and Ogden Ave.; cost, $30,000; architects, Adler & Sullivan; builder, T. O'Shea.

A. E. Kent, three-st'y office building, 12 Sherman St.; cost, $21,000; architect, A. Smith.

S. Hallack, three-st'y flat, 2718 Wabash Ave.; cost, $6,000; architect, C. R. Hickock.

E. Johnson, three-st'y flats, 204 Sedgwick St.; cost, $7,000; architect, G. Otter.

M. Freistadler, three-st'y store and flats, 442 Twelfth St.; cost, $7,500.

J. Carmak, four-st'y store and flat, 116 Ewing St.; cost, $7,500; architect, J. M. Krotroec.

D. Kennedy, two-st'y flats, 156 Ohio St.; cost, $3,500; architect, M. Folz.

Wm. Rabe, two-st'y dwell., 186 Canalport Ave.; cost, $3,500; builder, F. Koeppe.

Mrs. L. Spafford, two-st'y warehouse, 156 West Monroe St.; cost, $6,000; architect, D. S. Pentecost; builder, G. O'Connell.

H. Koop, four-st'y store and flats, 962 Milwaukee Ave.; cost, $10,000; architects, Schaub & Berlin; builders, Eich & Otto.

E. Whlies, three-st'y flat, 139 Dekoven St.; cost, $5,000.

A. Zatlzmann, three-st'y flats, 62 Whitling St.; cost, $5,000.

L. L. Dickman, two-st'y dwell., Idaho St.; cost, $4,000.

C. W. D. R. R. Co., barn, 138 to 146 Throop St.; cost, $5,000.

J. Kundinges, two-st'y store and dwell., 572 Twenty-eighth St; cost, $3,000.

M. Schultz, 3 four-st'y stores and flats, 722 to 724 North Robey St.; cost, $9,000; architect, H. Kley; builders, Rodgers & Koch.

F. Bock, two-st'y dwell., 742 North Hoyne Ave.; cost, $6,000; architect, H. Kley.

E. H. Haines, three-st'y dwell., 14 Astor Pl.; cost, $8,000; architects, Thomas & Rodgers.

Dr. Christie, two-st'y dwell., 873 Twenty-second St.; cost, $4,000.

J. H. Smith, three-st'y store and dwell., 376 Well St.; cost, $8,000.

Cincinnati.

Hotel Alterations. — The Burnet House, cor. of Third and Vine Sts., is now undergoing extensive alterations and additions. The improvements embrace a new entrance, new interior marble stairway, dining-room elevators, and additional rooms. The work is in charge of Mr. Frank W. Handy, and will cost about $150,000.

The Gibson House is also being repaired and altered on the inside. A new wrought-iron and marble stairway has been built, and other improvements are being made, which will cost about $30,000; A. C. Nash, architect.

Building Permits. — Jno. Shillito & Co., six-st'y brick building, Jackson St.; cost, $30,000.

J. Kamp, three-st'y brick building, Jackson St., bet. Twelfth and Canal Sts.; cost, $4,000.

Jno. Weser, three-st'y brick building, 128 McMicken St.; cost, $4,000.

P. M. J. Kauther, one-st'y frame building, 420 East Third St., cost, $3,000.

Frank M. Hicks, 3 two-st'y frame buildings, Chatham St.; cost, $2,500.

Joe Ocker, addition; cost, $2,500.

Max Burgheim, two-st'y brick building, Ohio Ave., e s; cost, $9,000.

Chas. Ulrich, two-st'y frame building, Euclid Ave., n Corry St.; cost, $2,800.

Hy Batch, double four-st'y brick building, Culvert St.; cost, $8,500.

Dr. Grover, four-st'y brick building, e s Main, near Court St.; cost, $5,000.

George E. Mason, two-st'y frame building, Beech St.; cost, $3,000.

F. Schwarb, two-st'y brick building, Wheeler St., bet. McMillan and Warner Sts.; cost, $7,000.

J. Klein, three-st'y brick building, McMicken Ave., bet. Locust and Main Sts.; cost, $3,000.

H. Stratemeyer, double two-and-one-half-st'y brick building, n s Kline St.; cost, $6,500.

Jno. Van, four-st'y brick building, 614 Vine St.; cost, $8,000.

Repairs and additions costing $8,400.

Total number of permits to date, 286.

Total cost to date, $984,000.

New York.

Catholic Church. — Workmen are laying the foundation for the new Catholic Church of St. Lawrence (Jesuit), at the cor. of Park Ave. and Eighty-fourth St.

Houses. — On the s s of Ninety-first St., w of Fourth Ave., 4 three-st'y and basement brown-stone houses, 19′ 6″ x 65′ each, are to be built for Messrs. Foster & Helson, from plans of Messrs. Schwarzmann & Buchmann.

On the s s of Seventy-first St., 425′ w of Western Boulevard, 6 three-st'y and basement houses, 16′ 8″ x 52′ each, are to be built by Messrs. Fonner and Loutner, at a cost of $70,000, from plans of Messrs. J. C. Cady & Co.

Stores. — For Messrs. Robert and Ogden Goelet, three stores and a storage warehouse are to be built, on the cor. of Broadway and Thirty-eighth St., from plans of Mr. Jos. M. Dunn.

On the s s of One Hundred and Twenty-second St., between Second and Third Aves., a seven-st'y carriage-factory, brick and stone, 60′ x 90′, is to be built for James H. Butler, at a cost of $65,000, from plans of Mr. Chas. Baxter; and from designs of the same architect a two-st'y iron-railing factory, 35′ x 100′, is to be built on the n e cor. of One Hundred and Twentieth St. and Sylvan Ave., for Mr. D. C. Carleton.

Building Permits. — *Seventy-second St.*, s s 113′ e First Ave., 8 five-st'y brown-stone front tenements, tin roofs; cost, each, $15,000; owner, architect and builder, James W. Ramsay, 225 West One Hundred and Twenty-third St.

One Hundred and Twenty-first St., s s, 75′ w Third Ave., two-st'y brick workshop, gravel roof; cost, $5,000; owner, David C. Carleton, 208 East One Hundred and Twenty-sixth St.; architect, Chas. Baxter; builder, A. Edwards.

Second Ave., s e cor. Sixty-fourth St., three-st'y brick store and loft, tin roof; cost, $9,000; lessees, Chesebro & Whitman, Seventy-ninth St. and Second Ave.; architect, R. Rosenstock.

Second Ave., n w cor. Eighty-seventh St., 4 five-st'y brick tenements and stores, tin roofs; cost, total, $65,000; owner, Francis S. Schnugg, 433 East Eighty-sixth St.; architect, J. Kastner.

East Eighty-seventh St., No. 242, five-st'y brick tenement, tin roof; cost, $20,000; owner and architect, same as last.

Sixty-eighth St., n s, 175′ e Second Ave., 4 three-st'y brown-stone front dwells., tin roofs; cost, each, $10,000; owner, F. Augustus Schermerhorn, 61 University Pl.; architect, H. J. Hardenbergh; builders, John Banta and John L. Hamilton.

West Sixtieth St., No. 509, five-st'y brick flat, tin roof; cost, $19,000; owner, Henry Riehl, 509 West Fifty-ninth St.; architect, R. Rosenstock; builder, not selected.

Tenth Ave., n w cor. One Hundred and Fourth St., 3 five-st'y brick tenements, tin roofs; cost, one $25,000; and two $18,000 each; owner, Franklin Thurston, 62 East One Hundred and Thirty-third St.; architect, Theo. E. Thompson.

One Hundred and Thirty-first St., n s, 225′ w Seventh Ave., 8 three-st'y brown-stone front dwells., tin roofs; cost, each, $9,000; owner, Wm. McReynolds, 125 West One Hundred and Thirty-second St.; architect and builder, A. McReynolds.

Audubon Ave., e s, 28′ n One Hundred and Sixty-sixth St., three-st'y frame dwell., tin roof; cost, $3,500; owner, Thos. Kearney, One Hundred and Sixty-fifth St. and Tenth Ave.; architect, Will A. O'Hea; builder, A. McNally.

One Hundred and Thirty-first St., n s, 50′ w Tenth Ave., two-st'y brick hospital and dispensary, tin roof; cost, $11,000; owner, Manhattan Dispensary, Daniel F. Tiemann, President, One Hundred and Fifty sixth St. and St. Nicholas Ave.; architect, W. Pray; builder, James Pettit.

One Hundred and Forty-fifth St., n s, 100′ e Tenth Ave., four-st'y and basement stone front dwell., tin roof; cost, $11,000; owner, Nathan Hobart, St. Nicholas Ave., cor. One Hundred and Fifty-fourth St.; architect, Theo. Clark; builders, W. G. Slade and A. C. Hoe & Co.

One Hundred and Forty-fifth St., s s, 150′ e Willis Ave., two-st'y brick and frame dwell., tin roof; cost, $3,800; owner, Stephen Miller, Willis Ave., near One Hundred and Forty-sixth St.; architect and builder, Wm. Kusche.

One Hundred and Forty-fifth St., s s, 165′ w Brook Ave., four-st'y frame tenement, tin roof; cost, $5,500; owners, Jas. and A. Ellis, 301 East One Hundred and Third St.; architect, John F. Wilson.

One Hundred and Forty-fourth St., s s, 424′ 7″ e Willis Ave., 3 two-st'y brick and frame dwells., tin roofs; cost, $3,300 each; owner, Maria E. Ackerman, 478 Willis Ave.; architect, Chas. Volz.

Ave. B, e s, 22′ 11″ n Fifteenth St., five-st'y brick tenement and store, tin roof; cost, $12,000; owner, Louis Schwoerer, 206 Ave. A; architect, J. Kastner.

re put into a leather box, cylindrical in , capped at each joint with flanges that ment of each building there are four These eight engines work the tubes, nected with each tube. When the box ube, one engine exhausts the air in the ps air into the pipe behind it, and the of a mile a minute. About fifty sepa- box, though it will hold one hundred. nty feet, and elongations and contrac- f temperature are carefully provided ss of the New York Steam Heating allowance especially necessary. A which will admit of an expansion in nes. Some time ago one of the steam s tubes became so hot that they could used the greatest expansion yet ob- ree-quarters in the 800 feet of tubing. test capacity, can transmit ten boxes ute. Packages may be sent as well as at can be got into the box. The direct ges short of the terminal stations, but stations that are connected with the e dispatching office informs the opera- lectric bell. The receiving operator ove him to one side, thus breaking the a glass face to stop the suction, and a s end. His station is connected by a of the street, and by the time he has s before him and he reopens the tube. vers that catch the boxes up just at ow in mechanical achievement. Air- where the sections of the tubing join. man-hole is sunk into the trench and such repairs as are needed from time ch impair its operation may be placed nected with a rope at each end. In which cost something more than one feet of tubing is used. The cost of ressors is about as much more. The l tank is thirty pounds to the square achinery has been shown by an experi- to be twenty-eight and one-half inches, *York Tribune.*

The *Iron Age* takes this conservative t steam-pipes setting fire to a build- mation ists concerning the danger n of pipes. It is often asserted n-pip d to convey the steam for tact with wood or other combustible ere is much danger from improperly charring of the adjacent wood, it may ture of the pipe in ordinary circum- ugh to set fire to the wood, whether ssure of the steam employed for heat- and may safely be said to never rise gh. At this higher pressure the tem- F., which is insufficient to produce ry conditions. We think this suffi- an never be the immediate cause of readers understand that there is any arrangement. A case is reported by re a fire occurred in a private resi- ed, it was discovered that the wood- re the steam-pipes ran was scorched, act that the fire originated in the par- emporary conclusive evidence that it igniting the wood. Though not of a cause flame, the pipes had undoubtedly ontact, besides drying and heating all n such a condition of things, the small- except for the inflammable state of rwise proved harmless. It is this in- of as much moment as an immediate steam-pipe laying of so much impor- tinder-like particles of dust freely the precautions followed in a gun- of absolute safety would be assured."

NSLY. — It was discovered on examina- orary, that a chimney 80 feet high, at was about 42 inches out of perpen- in righting was quite simple. A bar- ce, and two others below the first- d under the girders of one of the bar- rews similarly on the other side. The d about the chimney on the opposite and water poured in, after which the ly, and the earth again loosened and this process had been several times l, and the whole stands now properly

DECISION. — Judge Holmes, of the Su- ules that in case of fire "the insured is tement of his loss; that the insurance hount as they can and pay, or else they right to sue is not dependent on having n detailed statement of the loss which *ening Post.*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

317,025. APPARATUS FOR FLUSHING SEWERS, WATER-PIPES, ETC.—James Scott, Denver, Col.

317,036. TRANSOM-LIFTER. — Chas. E. Steller, Milwaukee, Wis.

317,043. SINK-VALVE.—Charles M. Tack, St. Louis, Mo.

317,051. SASH-FASTENER. — James Walsh, North Adams, Mass.

317,053. ARCHITECTURAL COLUMN. — George J. Weber, Boonville, Mo.

317,055. SUPPLY-VALVE FOR THE FLUSHING-TANKS OF WATER-CLOSETS, ETC.—Henry C. Weeden, Boston, Mass.

317,072. SUPPORT FOR CENTRES FOR MASONRY ARCHES.—C. H. Ackerson, San Francisco, Cal.

317,076. LOCK.—Albert L. Becht, Paris, France.

317,077. MOSAIC OF GLASS AND LEAD GLAZING.—Henry F. Belcher, Irvington, N. J.

317,092. PLANE. — George A. Clifford, Peabody, Mass.

317,099. TRAP FOR SEWERS.—John Demarest, New York, N. Y.

317,101. APPARATUS FOR FORMING MOULDS FOR CASTING METAL PIPE. — Jacob K. Dimmick, Newport, Ky.

317,107. ARTIFICIAL FACING-BLOCK FOR BUILDINGS.—Henry G. Fiske, San Francisco, Cal.

317,121. SASH-HOLDER. —Geo. A. Greenville, Kingsville, Ont.

317,125. WOOD-FILLER.—Henry Hales, Ridgewood, N. J.

317,129. PROCESS OF PRESERVING WOOD.—Ludvig Hansen and Andrew Smith, Wilmington, N. C.

317,132. SPRING FOR DOORS AND GATES.—Nimrod Headington and Jesse S. Malin, Portland, Ind.

317,147. DOOR-CHECK. — Jacob Krumscheid, Boston, Mass.

317,170. BOLT.—William F. Morgan, Collingwood, Ontario, Can.

317,176. METALLIC PLATE FOR COVERING ROOFS AND WALLS. —Gottfried A. Niebeling, Remscheid, Prussia, Germany.

317,187. BIT-STOCK. — Johannes Th. Pedersen, Brooklyn, N. Y.

317,233. WOODEN TONGUE FOR JOINING FLOORING, ETC.—Irwin H. Spelman, Cortland, O.

317,238. WINDOW-SHADE AND AWNING.—David R. Stedman, Elizabeth, N. J.

317,250. LEVEL.—James Walsh, Thomas F. Murphy and Everett A. Clark, North Adams, Mass.

317,262. SASH-BALANCE. — Wm. F. Winship, Albany, N. Y.

SUMMARY OF THE WEEK.

Baltimore.

BUILDING PERMITS.—Since our last report thirty-one permits have been granted, the more important of which are the following:—

G. W. Parke, 9 three-st'y brick buildings, commencing s e cor. Charles St. and Fort Ave.

J. T. King, three-st'y brick building, e s Valley St., between Chase and Biddle Sts.

John T. Gray, three-st'y brick building, s e cor. Broadway and Milliman Sts.

Louis Buckner, three-st'y brick building, n w cor. Harrison and Fayette Sts.

John M. Getz, 5 three-st'y brick buildings, s s Biddle St., commencing s w cor. Ensor St.

H. C. Barnes, 16 two-st'y brick buildings, s e s Nanticoke St., s w from Cross St.

Thos. O. Hittoffer, 5 three-st'y brick buildings, e s Fulton Ave., n of Patterson Ave.

W. Hildebrand, three-st'y brick building, s s Preston St., between Ensor St. and Holland Alley.

Western Maryland Church, stone church, s w cor. Gilmor St. and Lafayette Ave.

John Schultz, three-st'y brick building, n s Chestnut Alley, between Fremont and Brune Sts.

Boston.

BUILDING PERMITS. — *Brick.* — *East Third St., Nos.* 823, 825, 827 *and* 829, 4 dwells., 19′ x 40′; James Collins, owner; Michael Nolan, builder.

Shawmut Ave., No. 459, printing-office, 20′ x 40′; Freewill Baptist Print Estate, owner; Woodbury & Leighton, builders.

West Broadway, No. 131, dwell. and store, 25′ x 60′; Ellen Sullivan, owner; P. F. Hanion, builder.

Columbus Ave., No. 249, tenement, 38′ x 67′8″; Jas. S. Stone, owner; G. W. Pope, builder.

South Russell St., No. 20, dwell., 21′8″ x 40′; E. T. Politz, owner; J. H. Stevenson, builder.

Winship St., near Washington St., school-house, 67′10″ x 27′ and 104′ 8″ City of Boston, owner; Michael Nolan, builder.

Brooklyn.

BUILDING PERMITS. — *Ten Eyck St., No.* 37, n s, 150′ w Leonard St., four-st'y frame tenement, (brick-filled), tin roof; cost, $7,000; owner, Chas. Zellhoefer, 175 South Fourth St.; architect, E. F. Gaylor; builders, Jenkins & Gillies and George Lehrian & Sons.

Manhattan Ave., o s, 145′ s Norman Ave., four-st'y frame store and extension (brick-filled), gravel roof; cost, $6,700; owner, Bridget O'Hare, 145 Green St.; architect, F. Weber; builders, Post & Walker and J. Cashman.

De Kalb Ave., w s, near Hamburgh St., three-st'y frame tenement (brick-filled), tin roof; cost, $4,500; owner, W. R. Ostrander, 299 Keap St.; architect, J. Ireland; mason, Wm. Mead.

St. James Pl., w s, 30′ n Atlantic Ave., 3 three-st'y brick stone-front dwells., tin roofs; cost, each, $6,500; owner, William Moses; architect, A. Hill; builder, J. Stafford.

McDonough St., s s, 162′ 6″ e Tompkins Ave., 4 three-st'y brick and brown-stone dwells., tin roofs; cost, each, $7,000; owner, John Frasier, 16 Rochester Ave.

Manhattan Ave., No. 585, w s, 59′ s Box St., three-st'y frame car-house, etc., gravel roof; cost, $3,500; owner, Cross Town R. R. Co., 585 Manhattan Ave.; architect and contractor, A. L. Chase; builder, G. Strepes.

Seventh Ave., n e cor. Nineteenth St., three-st'y frame tenement, tin roof; cost, $3,500; owner, Owen O'Brien, 874 Sixth Ave., New York; architect, F. Ryan; mason, T. Ryan.

Ten Eyck St., Nos. 24 *and* 26, 2 three-st'y frame (brick-filled) dwells., tin roofs; cost, each, $3,500; owners, A. & C. Brunger, 16 Ten Eyck St.; builders, C. L. Johnson's Sons.

Columbia St., No. 51, 100′ s Amity St., five-st'y brick double tenement, tin roof, metal cornice; cost, $16,000; owner, Mrs. B. Kane, on premises; architects, Parfitt Bros.

Throop Ave., n w cor. Lexington Ave., three-st'y brick store and flats, tin roofs, wooden cornices; cost, $7,000; owner and builder, John McDikken, 282 Marion St.; architect, Ernest Dennis.

Jefferson St., 180′ e Tompkins Ave., 5 three-st'y brown-stone dwells., tin roofs; cost, each, $6,000; owner, S. C. Phillips, 691 Lafayette Ave.; architect, A. Hill.

Madison St., n s, 80′ e Bedford Ave., two-and-a-half-st'y dwell., tin roof; cost, $5,500; owner, John B. Grube, 133 Madison St.; architect, A. Hill.

Humboldt St., e s, 72′ s Meserole St., four-st'y brick tenement, tin roof; cost, $7,000; owner, Theo. Klingelhoefer, Grand and Eighth Sts.; architect, J. Platte; builder, G. Lehrian.

Stockton St., s s, 470′ e Nostrand Ave., 2 frame buildings (brick-filled) one store and tenement, and one tenement, tin roof; cost, each, $4,500; owners and builders, Henry and John Eich, 762 Park Ave.; architect, Th. Engelhardt.

Linden St., s s, 100′ e Bushwick Ave., two-st'y frame dwell., shingle roof; cost, $4,000; owner, A. R. Black, office Brooklyn *Daily Times;* contractor, John C. Sawkins.

Putnam Ave., n s, 255′ e Tompkins Ave., 2 three-st'y brown-stone dwells., tin roofs; cost, each, $8,000; owners, Buckley & Hornby, 890 Gates Ave.; architect, O. Burhaus; builder, W. Wood.

Adelphi St., w s, about 200′ s De Kalb Ave., two-st'y sandstone chapel and Sunday-school, peak slate roof; cost, $11,000; owner, St. Marks Church, Adelphi St.; architect, L. B. Valk; builders, T. Thatcher and E. S. Boyd & Son.

Lafayette Ave., s s, 100′ e Throop Ave., 5 two-st'y brick dwells., tin roofs, wooden cornices; cost, each, $3,000; owner, etc., John K. Bulmer, 213 Adelphi St.

Bedford Ave., w s, 57′ 6″ s Myrtle Ave., two-st'y brick office and salesroom, tin roof; cost, about $6,000; owner, Edwin C. Swift, Lowell, Mass.; architect, J. O'Rourke; builder, B. F. Bailey.

Degraw St., n s, 500′ w Columbia St., 2 four-st'y brick tenements, tin roofs; cost, each, $6,750; owner, John Edwards, 31 First Pl.; architect, Mercein Thomas; builders, Abraham Rutan and Morris & Selover.

Greene Ave., n s, 300′ w Nostrand Ave., 5 four-st'y brown-stone dwells., tin roofs; cost, each, $8,000; owner, William J. Rider, 128 Quincy St.; architect, Amzi Hill.

Herkimer St., n s, 200′ e Howard Ave., 6 two-st'y brick dwells., frame and gravel roofs; cost, each, $3,400; owner and architect, Benj. T. Robbins, Northport, L. I.; builder, E. K. Robbins.

ALTERATIONS.—*Fulton St.*, n w cor. Bedford Ave., add one-st'y, gravel roof; cost, $7,000; owner, Archibald Scott, 168 Flushing Ave.; architect, A. Hill; builders, A. Rutan and Lang & Barnes.

Broadway, Nos. 18, 20 *and* 22, alteration to flat, fronts rebuilt; cost, $12,000; owners, S. Liebmann's Sons, Forrest Ave., near Bremen St.; architect, E. F. Gaylor; builders, Geo. Lehrian & Son and Marinus & Gill.

Chicago.

BUILDING PERMITS:—H. E. Leimbach, two-st'y dwell., 653 Fullerton Ave.; cost, $4,000.

H. Larsen, three-st'y dwell., 223 West Ohio St.; cost, $3,500.

A. Hansen, three-st'y dwell., 95 Centre Ave.; cost, $3,500.

G. Frajn, two-st'y store and dwell., 401 Wells St.; cost, $2,500.

Crane Bros., three-st'y factory, Jefferson St.; cost, $50,000; architect, W. W. Boyington; builders, W. Wills & Son.

S. L. Frazer, two-st'y dwell., 3240 Rhodes Ave.; cost, $3,000; architects, Wheelock & Clay.

J. Seuft, three-st'y store and dwell., 896 Allport Ave.; cost, $3,000; architects, Benes & Sayer.

F. Marrel, three-st'y store and dwell., 845 Ashland St.; cost, $3,000; architects, Benes & Sayer.

R. Knisely, two-st'y shop, 181 South Jefferson St.; cost, $3,000.

E. A. Burdett, three-st'y dwell., 31 Bellevue Pl.; cost, $18,000; architects, Burnham & Root.

C. H. Wells, three-st'y store and flats, Sedgwick and Centre Sts.; cost, $40,000; architect, H. Zirk.

F. Kamentz, three-st'y store and dwell., 943 North Halsted St.; cost, $4,000.

Wm. Mueller, two-st'y dwell., 3112 to 3114 Calumet Ave.; cost, $10,000; architects, Furst & Rudolph.

F. Heeiling, two-st'y dwell., 2724 Farrell St.; cost, $2,500.

C. M. Foy, three-st'y dwell., 43 Bellevue Pl.; cost, $10,000; architects, Cobb & Frost.

H. Hardin, three-st'y flats, 444 Thirty-first St.; cost, $8,000; architect, C. Cobb; builder, D. McLachlan.

A. L. Petterson, three-st'y store and flats, 935 West Madison St.; cost, $6,000; architect, W. Pashley; builder, J. Keating.

A. Kolt, three-st'y flats, 343 State St.; cost, $2,500.

Rialto Building, nine-st'y office building, Van Buren and Sherman Sts.; cost, $500,000; architects, Burnham & Root; builders, Mortimer & Tupper.

A. J. Kowslaski, four-st'y store and flats, 615 Noble St.; cost, $9,000; architect, H. Kley.

P. H. Hoffman, three-st'y dwell., 159 West Ohio St.; cost, $4,000.

Mrs. M. Henne, three-st'y store and dwells., 387 to 391 Wells St.; cost, $11,000.

Dr. Byford, 4 two-st'y dwells., 3235 to 3241 South Park Ave.; cost, $15,000; architect, W. A. Thurber.

H. Schaller, two-st'y dwell., 695 to 697 Fullerton Ave.; cost, $5,000.

Mrs. A. Kaiser, two-st'y store and dwell., 84 Thirteenth St.; cost, $4,000.

Blake and Rezabek, two-st'y store and dwell., 598 West Eighteenth St.; cost, $5,000.

F. Ehert, three-st'y store and flats, 3108 Halsted St.; cost, $4,000.

Eckhardt & Swan, four st'y warehouse, Canal and Fulton Sts.; cost, $3,200.

Mrs. M. R. Laing, two-st'y flats, 3230 Forest Ave.; cost, $8,200.

A. Haaker, addition, 230 Division St.; cost, $2,500.

B. Moeck, three-st'y store and dwell., 3000 State St.; cost, $12,000; architect, J. Huber.

N. Johnson, two-st'y dwell., 509 Armitage St.; cost, $2,600.

Board of Education, three-st'y school-house, Wallace and Thirty-first Sts.; cost, $49,000; architect, J. J. Flanders; builder, Wm. M. Crilly.

Board of Education, three-st'y school-house, Nineteenth Pl. and Ashland Ave.; cost, $49,000; architect, J. J. Flanders; builder, Wm. M. Crilly.

Board of Education, three-st'y school-house, Thirteenth Pl., near Hoyne Ave.; cost, $49,000; architect, J. J. Flanders; builder, Wm. M. Crilly.

A. Keep, two-st'y barn, Michigan Ave.; cost, $3,500.

J. J. Hallock, two-st'y dwell., 525 Hurlbut St.; cost, $4,500; architect, J. J. Hallock.

Cincinnati.

GYMNASIUM.—The Cincinnati Gymnasium has leased the upper part of the Grand Opera House Building, owned by Mr. David Sinton, and will at once commence operations to make first-class rooms for their purposes. The space to be occupied is 79′ x 78′, and 48′ high; cost, about $15,000; Charles Crapsey, architect.

BUILDING PERMITS. — Mrs. Kruthaup, 2 three-st'y brick buildings, Cutter St., bet. Third and Pearl Sts.; cost, $9,000.

P. Tracy, four-st'y brick building, n e cor. Central Ave.; cost, $8,000.

A. Bauer, three-st'y brick building, Harrison Ave.; cost, $6,000.

Miss Renner, two-and-one-half-st'y brick building, 151 Pleasant St.; cost, $3,000.

Geo. Gould, addition, three-st'y brick building, 232 John St.; cost, $4,000.

Standard Wagon Company, two-st'y brick building, n s Eighth St.; cost, $5,000.

J. Freiberg, three-st'y brick building, n s Ninth St., bet. Baymillar and Freeman Sts.; cost, $7,000.

E. Furst, three-and-one-half-st'y brick building, 55 Clinton St., cost, $6,500.

Theo. Reager, three-st'y brick building, York St.; cost, $3,000.

Mrs. E. H. Ross, two-and-one-half-st'y brick building, w s Beecher St., bet. Lane and Gilbert Sts.; cost, $7,000.

Louis Metz, three-st'y brick building, n s Charles St., bet. Elm and Plum Sts.; repairs and addition costing $4,000.

Total number of permits to date, 302.

Total cost to date, $1,046,500.

Kansas City, Mo.

The stonemasons have met and effected a permanent organization. The object of the organization is simply for mutual protection.

BUILDING PERMITS. — W. A. Kelly, three-and-one-half-st'y brick business block, 507 Walnut St.; cost, $8,000.

Langston Bacon, two brick houses, Holmes St.; cost, $3,000.

W. H. Plum, brick business block, Grand Ave.; cost, $3,500.

G. D. Huling, brick block, 800 Delaware St.; cost, $4,500.

W. G. Lobenstein, brick business block, 561 to 563 Main St.; cost, $30,000.

J. C. Nettleton, block of six brick houses, 912 to 922 East Sixteenth St.; cost, $10,000.

K. S. Rogers, four frame houses, Jefferson St.; cost, $5,000.

Charles Van Evam, brick and stone barn, East Twelfth St., cost, $7,000.

J. B. Ghio, brick business block, St. Louis Ave.; cost, $6,000.

R. T. Hunt, 6 two-and-one-half-st'y houses; cost, $15,000.

W. M. Masters, brick business block, East Eighteenth St.; cost, $4,500.

T. Combs, frame business block, cor. Seventeenth St. and Madison Ave.; cost, $3,000.

R. J. Johnson, frame house, cor. Fifth St. and Lydia Ave.; cost, $3,000.

M. Schoonmaker, brick house, 1723 Jefferson St.; cost $5,000.

Sam W. Gregory, brick house, 1011 Forest Ave.; cost, $5,000.

Seth Mabry, 6 three-st'y brick houses, each 50′ x 58′, cor. Tenth and Central Sts.; cost, $30,000.

J. I. Raynolds, two houses, Penn St.; cost, $2,500.

Cornelius Murphy, brick house, 1103 Cherry St.; cost $3,000.

C. H. Kimmel, house, 1301 Forest Ave.; cost, $5,000.

J. W. Trueworthy, brick house, 1312 East Ninth St.; cost, $5,000.

placed over a well-constructed flat
lition longer than almost any other
of is suitable for the small dwelling-
dwelling-house, even where there is
ing against it except appearances?
merely because we have become

the true architect to evolve a dwell-
o the conditions of climate in which
nick deck-roof would be in all but

breadth, repose and comfort to some
e the roof the pleasantest place in

he crazy roof which covers the crazy
ays?
een the common roof and the sun-
i. I have added a diagram of the
ished by Professor Morse. Permit
ects to the probably great value of
or Morse holds the patent, in its
d on the south side it will be likely
s in each week, and on each day
ch will be changed several times a
t.

EDWARD ATKINSON.

) CLIPPINGS.

em Reed, a farmer living in Beaver
k tree on his farm, and in cutting it
nuk, seven or eight feet from the
hat had the appearance of a lock of
d in a hole in the tree made by an
into the hole over the bottle, the hair
e plug. The bottle was corked, and
the plug had grown six solid rings
There was a superstition among the
ny of their descendants, that asthma
ed by the victim standing against a
pinugged in it while the hair was still
en be cut off close to his head, and
hout looking at it or ever passing by
f a bottle was not included in this
one with the hair discovered in the
e in th v days of the settlement
n to cu ailment of some kind. —

echeological discoveries of impor-
other here. That within the limits
g the rites performed there has been
the distance of a few yards, con-
and the ecclesiastical history of the
nembered that immediately behind
ector and Pollux, and adjoining the
, there stand the colossal walls of an
imperial construction. What it was
he late Mr. J. H. Parker maintained
it was part of the celebrated bridge
um from his *domus* on the Palatine
ns. Others have thought that these
emple dedicated to Augustus, which
ut these theories must be dismissed,
in times past. Within and against
imperial magnificence a number of
them almost entirely, except where
roofs. These hay-lofts, the ground
wrights and carpenters, are now in
ly the area of one great hall, with
d far exceeding in dimensions and
Forum adjoining it or of the Palace
cleared. It was soon seen that the
the modern level was of recent date.
loring was found at a depth corre-
um itself. One-half of this hall has
t level, and from it opens a passage,
re covered with comparatively un-
ng Christian saints standing in rows
on the face of the wall of the hall
oes, indicating that it had been com-
omer. The Commendatore de Rossi
nth or eleventh century, but for the
n beyond that which he put forth in
in part proof of it in a paper written
o-Saxon coins discovered in a jar two
he Vestals. This opinion was to the
ns were sent to Rome the imperial
latine were occupied by the Pontiffs
ers of the ecclesiastical Government
wait for the completion of Signor de
arding this interesting subject. But
pted to suppose that we see in this
ne of the first Cæsars the hall, per-
ne of Alfred the Great, whose money
n of the excavations will, it is hoped,
ature of this grand edifice of pagan
it was applied in Christian days. —

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

317,265. METHOD OF PREVENTING THE FORMATION OF ICE ON SHOW-WINDOWS.—Edwin A. Wood, Utica, N. Y.
317,294. CHIMNEY-CAP. — Charles W. Carll, Camden, N. J.
317,321. SASH-FASTENER. — Patrick J. Donohue, Chicago, Ill.
317,333. COMBINED WASH AND BATH TUB.—Julia B. French, Boston, Mass.
317,337. METHOD OF REPAIRING WITH BETON OR CONCRETE.—John C. Goodridge, Jr., New York, N. Y.
317,338. PROCESS OF CONSTRUCTION AND REPAIR WITH BETON OR CONCRETE. — John C. Goodridge, Jr., New York, N. Y.
317,351. BRICK-KILN. — Thos. S. Hawkins, Chattanooga, Tenn.
317,352. HOLDER FOR SLIDING-DOORS. — William E. Haycox, Cleveland, O.
317,373. WASTE-PIPE FOR WASH-BASINS, BATH-TUBS, ETC.—Oliver H. Keep, New York, N. Y.
317,381. IRON ROOFING. — William C. Langenau, Cleveland, O.
317,398. LOCK.—Philip Mathes, Idlewood, Pa.
317,410. SPRING-HINGE. —Sidney S. Niles, Chicago, Ill.
317,414. DEVICE FOR FASTENING ROOF-TILES. — Fawcett Plumb, Streator, Ill.
317,440. PROCESS OF PRESERVING WOOD.—Joseph P. Card, St. Louis, Mo.
317,456. WINDOW-SCREEN.—Alexander H. Hill, Oskaloosa, Iowa.
317,485. WINDOW-AWNING. — Thomas L. Barlow, Boston, Mass.
317,496. DOOR-HANGER.—Charles W. Bullard, Chicago, Ill.
317,505. FLUSH-TANK FOR WATER-CLOSETS, SEWERS, ETC.—Winfield S. Chapin, Schenectady, N. Y.
317,517. COMBINED STRAIGHT-EDGE AND GAUGE. —Milo Covel, Chicago, Ill.
317,524. HOLLOW AUGER. — George W. England, Merrimac, Mass.
317,534. FIRE-ESCAPE. — Christopher Hoell, St. Louis, Mo.
317,540. FASTENING FOR MEETING-RAILS OF SASHES.—Hobart B. Ives, New Haven, Conn.
317,547. LOCK.—Thomas Kirwan, Boston, Mass.
317,558. PINCH-BAR.—Charles Klaus, Chicago, Ill.
317,560. PENCIL-SHARPENING MACHINE.—Warren H. Lamson, Lynn, Mass.
317,564. ELEVATOR-HATCHWAY GUARD. — Walter S. Morton, St. Paul, Minn.
317,613. LAG-SCREW FOR PIPE-HANGERS.—George W. Blake, New York, N. Y.
317,630. DOOR SADDLE OR SILL. — James A. Cramer, Morristown, N. J.
317,634. DISINFECTING WATER-CLOSETS.—William M. Ernst, New York, N. Y.
317,639. WINDOW-SASH. — Emil R. Mayer, New York, N. Y.
317,684. FLOOR-TUBE.—Abel G. Stilson, Cobleskill, N. Y.
317,701. REVERSIBLE HINGE. — Jacob F. Aston, Watsonville, Cal.
317,704. FIRE-ESCAPE. — Edmond Beale and Andrew Bangs, Philadelphia, Pa.
317,710. FLOAT-VALVE FOR WATER-CLOSETS.—August F. Blesch, Columbus, O.
317,715. REAMER.—Jesse H. Brown, Syracuse, N. Y.
317,717. WATER-CLOSET. — William Bunting, Jr.,

SUMMARY OF THE WEEK.

Baltimore.

WAREHOUSE. — Chas. L. Carson, architect, has prepared plans for the McCreery Building, which will front 100′ on Sharp St., 110′ on German St., and 74′ on Liberty St., be built of brick, stone and iron, six stories and basement; cost, $150,000; W. T. Markland & Bros., builders.

BUILDING PERMITS. — Since our last report forty permits have been granted, the more important of which are the following: —

Geo. H. Strott, three-st'y brick building, w s Parrish Alley, between Mosher and Tennant Sts.

David Kruse, three-st'y brick building, w s Parrish Alley, between Mosher and Tennant Sts.

B. Baron, one-st'y brick building, s s Pratt St., between Exeter and Canal Sts.

Jas. L. Bowen, 16 two-st'y brick buildings, s e s Bowen St., s w from Cross St.

E. Pohl, 2 three-st'y brick buildings (square), w s Diamond St., between Saratoga and Mulberry Sts.

F. D. Forrester, 3 three-st'y brick buildings, w s McCulloh St., commencing n w cor. Robert St.; and 2 three-st'y brick buildings (square), n s Robert St., w of McCulloh St.

S. B. Lucas, three-st'y brick building, n s Pierce St., between Pine and Pearl Sts.

W. T. Phillips, 7 three-st'y brick buildings, w s Gilmore St., n of Baltimore St.

S. B. Seaton & Co., three-st'y brick building, n s Barre St., between Greene and Warner Sts.

Henry Schamburg, 5 two-st'y brick buildings, w s Russell St., between Cross and Hamburg Sts.

A. A. Rinehart, 5 three-st'y brick buildings and mansard, w s Eutaw Pl., between North Ave. and Bloom St.

G. C. Herschman, 27 two-st'y brick buildings, w s Patterson Park Ave., between Orleans and Jefferson Sts.

L. O. Chappell., three-st'y brick building, n s Mulberry St., between Pearl and Pine Sts.

Morgan & Bro., 8 two-st'y brick buildings, e s Etting St., s of Bloom St.

Henry Lange, 4 two-st'y brick buildings, w s Chester St., between Eager St. and Union Railroad.

Boston.

BUILDING PERMITS.—*Brick.—Wellington St., No.* 26, apartment-house, 24′ and 27′ x 53′; owner and builder, Geo. S. Hewitt.

South St., No. 143, mercantile, 78′ 8″ x 105′ 2″; owner and builder, J. F. J. Faxon.

Beach St., No. 111, mercantile, 73′ 7″ x 91′ 9″; owner and builder, same as last.

Cabot St., No. 131, cor. Weston St., tenement, 55′ x 30′ and 67′; owner, John Nichols; builder, Fajah Jackson.

Endicott St., Nos. 183-187, cor. North Margin St., 3 dwells., 21′ 6″ x 35′; owner, D. McLaughlin.

Hampden St., Nos. 106 *and* 108, dwell. and store, 22′ x 43′; owner, John Y. Supple; builder, James Small.

Isabella St., tenement, 42′ x 60′; owner, H. M. Currier.

Brooklyn.

BUILDING PERMITS. — *Broadway*, s e cor. Adams St., three-st'y brick office, salesroom and refrigerating-building, tin roof; cost, about $7,000; owner, E. C. Swift, Lowell, Mass.; architect, S. E. Goodrich; builder, B. F. Bailey.

Jefferson St., Nos. 122 *and* 124, s e s, 225′ n e Central Ave., 2 three-st'y frame tenements, tin roofs; cost, each, $3,800; owner and builder, Caesp. Gossmann, 138 Ellery St; architect, E. Schrampf.

Greenpoint Ave., No. 249, three st'y frame tenement (brick-filled), tin roof; cost, $3,500; owner, Peter Dougherty, 209 Greenpoint Ave.; builder, D. O'Keefe; architect, F. Holmberg.

De Kalb Ave., n s, 330′ e Raymond St., three-st'y attic brick and Pleasant Valley brown-stone mission and dwell., metal and slate roof; cost, $3,500; owner, A. A. Low, 3 Pierrepont Pl.; architects, Parfitt Bros.; builder, L. W. Seaman.

Sullivan St., s s, 80′ e Richard St., 2 three-st'y frame tenements, tin roofs; cost, $6,650; owner, T. Gerrethe, on premises; architect and contractor, C. M. Detlfsen; mason, T. Keily.

Fifth Ave., n w cor. President St., 4 three-st'y brick dwells. and tenements, gravel roofs; cost, $35,-000; owner and mason, Wm. Corrigan, 233 Eleventh St.; architect and contractor, P. Corrigan.

Nostrand Ave., e s, 54′ 11″ n Atlantic Ave., 3 two-st'y brown-stone dwells., tin roofs; cost, each, $4,000; owner, James O. Carpenter, 120 New York Ave.; architects, Geo. P. Chappell & Co.; builders, J. Ashfield & Son and Powderly & Murphy.

Macon St., s s, 300′ e Nostrand Ave., three-st'y brick dwell., slate and tin roof; cost, $8,000; owner, Frank Seaman, 182 Rodney St., architect, A. O. Hoddick; builder, W. J. Moran.

Clark St., Nos. 551-555, n s, 100′ from Hicks St., eight-st'y hotel and apartment-house, mansard roof; cost, $170,000; owner, W. Tumbridge, 78 Hicks St.; architect, A. Hatfield.

Schenck St., w s, 100′ n Myrtle Ave., two-and-a-half-st'y frame (brick-filled) dwell., gravel roof; cost, $4,000; owner, Frank Ward, 375 Myrtle Ave.; architect and builder, J. T. Hanlon.

Throop Ave., w s, 23′ n Lexington Ave., 4 two-st'y brick dwells., tin roofs, wooden cornices; cost, $18,-000; owner and builder, John McDikken, 282 Marion St.

India St., No. 86, s s, e of Franklin St., three-st'y frame (brick-filled) tenement, gravel roof; cost, $5,000; owner and contractor, Dennis Devine, on premises; architect, F. Weber; mason, J. Halford.

St. Mark's Ave., s s, about 125′ w New York Ave., three-st'y brick and stone dwell., slate and tin roof; cost, about $15,000; owner, Wm. H. Addoms, Cliff St., New York; architect, H. P. Fowler; builders, Jas. Ashfield & Son and Morris & Selover.

Adams St., w s, 80′ n Myrtle Ave., five-st'y brick police court house, tin and slate roof; cost, $45,228; owner, City of Brooklyn; architects, Parfitt Bros.; builder, P. J. Carlin.

Dean St., n s, 95′ e Washington Ave., three-st'y brick armory-building, tin roof; cost, about $50,000; owner, King's County; architect, R. Dixon; builders, H. D. & W. A. Southard.

Quincy St., n s, 85′ e Reid Ave., 12 two-and-a-half-st'y brown-stone dwells., tin roofs; cost, each, $3,500; owner, Mrs. K. Gill, 221 Keap St.; builder, J. Roper.

Reid Ave., n e cor. Hancock St., three-st'y brown-stone store and dwell., tin roof; cost, $12,000; owner, Chas. H. Althaus, 466 Carlton Ave.; architect, Carl F. Eisenach; builders, J. J. Gallagher and F. D. Norris.

Monroe St., n s, 100′ e Lewis Ave., three-st'y brick dwell., tin roof, wooden cornice; cost, $4,000; owner, Mrs. Marcia De Castro, 257 Lewis Ave.; architect, J. S. Stevens; builder, M. Reynolds.

Bushwick Ave., No. 200, e s, 60′ s Ten Eyck St., three-st'y frame (brick-filled) tenement, tin roof; cost, $3,500; owner and builder, Joseph Amrein, on premises; architect, Th. Engelhardt.

Park Ave., n e cor. Carlton Ave., 3 four-st'y brick stores and tenements, tin roofs; cost, $18,700; owner, L. M. Goldrick, 95 Clinton St.; architect, M. J. Morrill; builders, P. J. Carlin and Long & Barnes.

Central Ave., No. 33, e s, 30′ n Prospect St., three-st'y frame tenement, tin roof; cost, $4,500; owner, Joseph Wendel, 34 Central Ave.; architect, Th. Engelhardt; builder, D. Kreuder.

Third Ave., e s, 20′ 2″ s Thirty-eighth St., 2 four-st'y brick tenements, tin roofs, wooden cornices; cost, each, $8,500; owner and architect, John H. O'Rourke, 119 Thirty-eighth St.; builders, John Anderson and J. H. O'Rourke.

Chicago.

BUILDING PERMITS. — J. Hulka, two-st'y store and dwell., 911 West Nineteenth St.; cost, $3,800.

J. H. Wilson, two-st'y dwell., 31 Brown St.; cost, $4,000.

J. Koch, two-st'y dwell., 3153 Wentworth Ave.; cost, $4,500.

Church of the Epiphany, one-st'y church, Ashland Ave. and Adams St.; cost, $50,000.

S. Sutter, three-st'y store and flats, 395 Ogden Ave.; cost, $5,000; architect, Wm. Strippelman.

T. O'Connell, two-st'y dwell., 87 McAllster Pl.; cost, $5,000; architect, W. H. Drake.

C. Gevine, three-st'y flats, 143 Erie St.; cost, $10,-000; architect, H. Henson.

C. H. Holenberg, three-st'y dwell., 263 West Ohio St.; cost, $3,500.

J. Lobstein, two-st'y dwell., 404 to 406 Morgan St.; cost, $5,000.

Wm. Wagner, three-st'y dwell., 251 Bissell St.; cost, $6,000.

Mrs. M. T. Topping, two-st'y store and dwell., 405 West Randolph St.; cost, $3,500.

N. Eckhardt, three-st'y store and dwell., 448 West Chicago Ave.; cost, $9,000.

J. F. Sheridan, 2 two-st'y dwells., 481 to 483 Ashland Ave.; cost, $9,000.

J. H. Webber, three-st'y store and dwell., 474 Larrabee St.; cost, $6,000.

E. Klein, three-st'y store and dwell., 791 Halsted St.; cost, $10,000.

J. & P. A. Otis, five-st'y store and flats, 291 Clark St., cost, $15,000; architect, T. V. Wadskier.

M. Hayes, two-st'y dwell., 2447 Wabash Ave.; cost, $3,000.

Mrs. R. Heacon, two-st'y dwell., 787 Monroe St.; cost, $5,000; architect, H. Copeland.

A. Kaier, two-st'y dwell., 646 Nineteenth St.; cost, $2,800.

J. Rezek, two-st'y dwell., 757 Loomis St.; cost, $2,-500.

Mrs. H. Mathison, three-st'y flats, 61 West Huron St.; cost, $6,000; architect, G. Isaacson.

Mrs. A. Rennie, two-st'y store and dwell., 921 West Twenty-second St.; cost, $2,800.

M. Blake, two-st'y dwell., 589 Taylor St.; cost, $3,-300; builder, M. Hanley.

C. Manostock, three-st'y store and dwell., 150 Bissell St.; cost, $5,000; architect, Thomson.

O. Smith, three-st'y dwell., 41 Bellevue Ave.; cost, 8,000; architects, Treat & Foltz.

Sage & Sullivan, two-st'y barn, 210 to 212 Chicago Ave.; cost, $3,200.

G. Fachs, two-st'y dwell., 605 Dearborn Ave.; cost, $10,000.

S. P. Redfield, two-st'y dwell., 54 Thirty-fifth St.; cost, $7,000; architects, Treat & Foltz.

N. Johnson, two-st'y dwell., 717 Maplewood Ave.; cost, $2,500.

C. H. Fuller, two-st'y dwell., 370 Warren Ave.; cost, $6,000; architect, C. C. Miller.

A. Lemington, two-st'y dwell., Oak Ave.; cost, $3,-500.

Wm. McAuliffe, two-st'y dwell., 378 Fourteenth St.; cost, $3,000.

M. Griffiths, 2 two-st'y dwells., 289 Leavitt St.; cost, $6,000.

C. Hagensen, two-st'y dwell., 166 Evergreen Ave.; cost, $2,500.

H. A. Hansen, three-st'y dwell., 36 Evergreen Ave.; cost, $6,000.

J. J. Phelan, three-st'y store and dwell., 316 Twelfth St.; cost, $8,000; architect, P. W. Ruehl.

G. P. Brown, two-st'y dwell., 672 Lasalle Ave.; cost, $15,000; architect, L. G. Hasberg.

H. S. McLean, 2 two-st'y dwells., 100 to 102 Laflin St.; cost, $7,000; architect, C. C. Miller.

T. Biddle; four-st'y store and flats, 188 to 190½ North Clark St.; cost, $20,000; architect, E. Baumann.

M. Quinn, two-st'y store and dwell., 1231 Western Ave.; cost, $4,000.

T. J. Myers, two-st'y addition, 3315 Ellis Ave.; cost, $4,000.

C. B. Farwell, four-st'y addition, Jackson and Halsted Sts.; cost, $15,000.

Breyeha & Long, 2 three-st'y dwells., 104 to 106 Bunker St.; cost, $8,500.

F. Rozlik, three-st'y dwell., 292 Fourteenth St.; cost, $6,500.

H. Ramaker, two-st'y dwell., 636 West Harrison St.; cost, $5,000.

D. H. Hammar, two-st'y dwell., Thirty-seventh St. and Grand Boulevard; cost, $15,000.

E. Johnson, three-st'y dwell., 232 May St.; cost, $6,000.

J. A. Sexton, two-st'y dwell., 561 Lasalle Ave.; cost, $5,000; architect, S. M. Randolph.

J. Schroer, two-st'y dwell., 2918 Honore St.; cost, $8,000.

P. Mattes, three-st'y flats, 415 Belden St; cost, $5,000; architect, D. F. Boiz.

B. Stucker, three-st'y flats, 319 Lincoln Ave.; cost, $6,000; architects, Furst & Rudolph.

G. Lindholm, two-st'y barn, 356 Indiana St.; cost, $2,500.

J. A. Raap, two-st'y dwell., 618 North Hoyne Ave.; cost, $15,000; architect, H. Kley; builder, W. Mueller.

Cook & Hill, 2 two-st'y dwells., 3229 Groveland Pk.; cost, $12,000; architect, J. N. Tilton.

Wm. Powers, two-st'y dwell., 263 Chestnut St.; cost, $1,000; architect, J. Otter.

J. Ehlenwick, three-st'y dwell., 172 Fourth Ave.; cost, $5,000; architect, G. Vigeant.

Geo. Arnold, two-st'y dwell., 208 Lasalle Ave.; cost, $5 000.

Cincinnati.

BUILDING PERMITS. — C. H. Gould, 2 two-st'y frame buildings, Lane St.; cost, $3,000.

Jos. Austermohr, three-st'y brick building, Liberty St.; cost, $7,000.

C. Windisch, three-st'y brick building, Sixth St., near Smith St.; cost, $6,000.

Henry Boenforder, two-st'y brick building, s s Dayton St.; cost, $6,000.

H. Sahlfeld, Main St., opposite Abigail St., five-st'y brick building; cost, $6,000.

curred to me after reading your article that ly in the following manner: First, plaster between the shingle strips, then fill in be- plank 14″ wide (this being the distance up to ridge line. To cover any possible and planking, put a moulding in the an- ters and planking to show in the rough, finish. The cut shows what I mean. not be had, suppose I made it 2″ x 12″ under the moulding with plaster? on for an expression of opinion on the of the *American Architect*.

ctfully yours, F. A. Wright.

Boston, Mass., June 4, 1885.

American Architect: —

the questions put to me by Mr. Wright I d to find that my theory is so well sus- y an article in *The Builder* of April on that roofs. I have also learned that I ces Reade in the latter theory without

questions put to me by Mr. Wright, I hall experience there can be no question ses to adopt in his country cottage. If on an ordinary boarded roof it would lengthwise between the rafters, making from the shingles. This has been done old construction caused the roofs to be thing cutting off the eaves and a hori- ck-loft above. At our instance this opening the attic throughout, and the d up between the rafters to the under to make the roof two inches or two d been excessively cold in winter and fore this change was made, have thus comfortable in both seasons.

d difficulty suggested by Mr. Wright in a solid body with the wood, it would t familiar with what is known in mill Before wire-lathing had been intro- ecommend the protection from fire of plaster laid on "dove-tail lathing" bet the heavy timbers of the " is thicker than the common nailes g to the plank; the bevels ible jar upon the floor above. Laths of a button with a rather long shank, purpose.

as to the danger of "dry rot" in from actual contact with the air by . I beg to say that this matter has

avy timbers in the extension of the 's works were protected with a thick ing so close as to leave no air space a three-inch plank was laid over made, the plastering being contin- nder side of this plank. The tim- About three years ago, at my re- as removed; the timber was found appearance, especially where there ith the mortar. Rough plastering permit the percolation of air and green timber, in this respect en- second or finishing coat of lime what dangerous to the timber. mbers before they have had time a blunder frequently repeated. ppened many years since in a ion of which I was treasurer. It ed feet, five stories high, divided One section was leased as soon were painted. The other section d, with timber entirely bare, and who had leased the first section. section was going on the timbers perfectly sound. Some suspicion, the timbers in section number one, rly every one of them had to be royed by having been painted be-

dy, Edward Atkinson.

— Ten years ago the new Court- l, was built at great cost to the oth structure has served only to Criminal Courts and Prosecutor's umental Park, has been enlarged, now decided that the new Court- ument of extravagance and folly s.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

318,452. Ventilated Sewer-Pipe. — Michael J. Cohoolan, New Britain, Conn.

318,461. Miter-Box. — Thompson E. Garusch and Thomas Jones, Viola, Wis.

318,472. Electric Signal-Bell. — Chas. Henzel, New York, N. Y.

318,490. Brick-Kiln. — Thomas McNicholas, Memphis, Mo.

318,494. Ventilator. — Adolph Olsen, Boston, Mass.

318,495. Lathing - Apparatus. — Stuart Perry, Newport, N. Y.

318,507. Window Cold - Air Refrigerator. — Charles W. Roth, New York, N. Y.

318,508. Automatic Fire-Extinguisher. — Marcus Ruthenburg, Cincinnati, O.

318,528. Draughting-Table. — Henry C. Weeden, Boston, Mass.

318,561. Ratchet - Drill. — Henry D. Hinckley, Hartford, Conn.

318,576. Sash-Fastener. — Charles W. Nida, New York, N. Y.

318,578. Mechanical Traverse - Table. — William D. Patterson, Savonas Ferry, British Columbia, Canada.

318,592. Frame Building. — Lewis W. Beard, Arcadia, La.

318,600. Fire - Escape. — William C. Cronemeyer, Pittsburgh, Pa.

318,626. Truss for Roofs of Bridges. — John H. Jones, Cilo, La.

318,632. Chimney-Cowl. — Ira G. Lane, New York, N. Y.

318,647. Electric Bell. — Augustus H. Palmer, Utica, N. Y.

318,648. Anchor for Buildings. — Frank D. Paradise, Memphis, Tenn.

318,661. Floor - Covering. — Rudolph Schroeder, New York, N. Y.

318,684. Knob-Attachment. — Charles H. Beebe, Norwich, Conn.

318,724. Roofing-Shingle. — Giles Hall, East St. Louis, Ill.

318,736. Window-Sash. — Chester J. Holmes, Stafford Springs, Conn.

318,743. Automatic Fire-Extinguisher. — James A. House, Bridgeport, Conn.

318,744. Fire - Extinguisher. — James A. House and Charles H. Dimond, Bridgeport, Conn.

318,749. Cap for Chimneys and Smoke-Stacks. — Horace F. Keen, Philadelphia, Pa.

318,791. Paint. — James P. Perkins, Pullman, Ill.

318,792. Method of making Brick, etc. — James P. Perkins, Pullman, Ill.

318,799. Window - Screen. — Josiah K. Proctor, Philadelphia, Pa.

318,834. Burglar - Alarm. — A. Clarke Tonner, Canton, O.

318,842. Water-Closet. — David Whiteford, Chicago, Ill.

318,850. Wall for Refrigerator Structures. — Andrew J. Chase, Boston, Mass.

318,871. Window-Screen. — George R. Clark, Dubuque, Iowa.

318,872. Roofing and Siding-Board. — James W. Crosbie, Brooklyn, N. Y.

318,880. Sash-Pulley. — Jacob D. Fyke, Los Angeles, Cal.

318,889. Valve for Water-Closets, etc. — Geo. Haydu, Baltimore, Md.

318,910. Roofing Felt and its Manufacture. — Josiah Jowitt, Stanley, N. J.

318,912. Ventilator. — Friedrich Keller, Milwaukee, Wis.

318,935. Wood-Filler. — Samuel F. Woodhouse, Philadelphia, Pa.

SUMMARY OF THE WEEK.

Baltimore.

Building Permits. — Since our last report thirty-five permits have been granted, the more important of which are the following: —

F. E. Yewell, 5 two-st'y brick buildings, e s Bruce Alley, n of Lanvale St.

C. A. Pindell, 3 two-st'y brick buildings, in rear of Mosher St., between Calhoun and Stricker Sts.; 5 two-st'y brick buildings, Calhoun St., between Tenant and Mosher Sts., and 10 two-st'y brick buildings, n s Mosher St., n w cor. Calhoun St.

Jos. A. Eisenhardt, three-st'y brick building, n w s Gay St., between Mott and Aisquith Sts.

Trustees St. Gregory's Church, church-building, s w cor. Gilmor and Baker Sts.

M. Oppenheim, 2 three-st'y brick buildings, e s Pennsylvania Ave., between Biddle and George Sts., and 2 two-st'y brick buildings in rear.

J. Dappiar, 3 three-st'y brick buildings (square), s s Baltimore St., s w cor. Choptank Sts.

F. O. Singer, 8 two-st'y brick buildings, w s Carey St., between Patterson Ave. and Presstman St.

Jas. W. Tindall, three-st'y brick building, w s McKim St., n of Chase St.

McAfee Bros., 7 two-st'y brick buildings, e s Holbrook St., between Biddle and Preston Sts.

John Desch, three-st'y brick building, e s Charles St., cor. Oliver St.

John R. Bailey, 21 two-st'y brick buildings, e s Gilmor St., between Cole and Ramsay Sts.

Frederick Burger, 4 three-st'y brick buildings, e s Eden St., n of Eastern Ave.

L. Matthei, three-st'y brick building, n w cor. Hanover and Clement Sts.

Immaculate Conception Church, three-st'y brick building, n s Mosher St., between Druid Hill Ave. and Division St.

Benj. C. Bayne, 5 two-st'y brick buildings, w s Chester St., between McElderry and Monument Sts.

Boston.

Building Permits. — *Brick.* — *Atlantic Ave., Nos.* 410 -414, Otis Wharf, mercantile, 47′ x 88′; owner, Mrs. A. D. Barnard; builder, Chas. Doyle.

Washington St., No. 783, cor. Hollis St., mercantile, 51′ 6″ and 53′ x 49′ 2″ and 53′; owner, David W. Foster; builder, H. B. Rankin.

Kartopp St., No. 12, cor. Reeds Ct., dwell., 24′ 6″ x 38′ and 41′; owner and builder, C. A. Wetmore.

Tremont St., cor. Tremont Ct., water-fountain, 15′ x 15′; owner, Silas Gurney; builder, E. R. Rand.

Wood. — *Princeton St., Nos.* 142, 144, 146 *and* 148, 4 dwells., 21′ and 22′ x 33′ and 42′; owner and builder, G. W. Hargrave.

Brooks St., Nos. 127 *and* 129, 2 dwells., 21′ x 33′ and 42′; owner and builder, G. W. Hargrave.

East Third St., near M St., dwell., 21′ x 33′; owner, J. L. Newcomb; builder, W. T. Eaton.

Dorchester Ave., near Bellour Pl., dwell., 19′ 6″ x 43′; owner, Mrs. A. H. McDonald; builder, Frank McDonald.

Dudley Ave., near Roslindale Ave., stable, 14′ x 20′; owner, John Kerrigan; builder, Joseph McDonald.

Fairview St., near South St., dwell., 21′ x 28′; owner, James Ryan; builder, Russell Park.

Ballmakill Ave., near Ashland st., dwell., 20′ x 23′; owner, John Higgins; builder, W. S. Mitchell.

Bainbridge St., near Kingsbury St., dwell., 22′ 8″ and 24′ x 54′ 8″; owner, Thomas Watson; builder, R. O. Dunn.

Brooklyn.

Building Permits. — *Douglass St., Nos.* 897 *and* 899, 2 three-st'y brick tenements, tin roofs, wooden cornices; cost, each, $3,500; owner, John D. Ferguson, 917 Douglass St.; architect, Awszi Hill.

Third Pl., No. 12, s s, 100′ e Henry St., 2 two-st'y brown-stone dwells., tin roofs; cost, each, $4,000; owner and builder, Thomas Keogh, 149 Nelson St.

De Kalb Ave., No. 1213, n s, about 150′ e Bushwick Ave., two-st'y brick factory, tin roof; cost, $7,000; owner, T. De Witt & Son, 1211 De Kalb Ave.; architect, Frank Holmberg; builders, Ernst Loerch and John Rueger.

South Fourth St., No. 315, near Tenth St., four-st'y brick tenement, tin roof, wooden cornice; cost, $7,800; owner, Adam Schultz, 227 Grand St.; architect, Frank Holmberg.

Pacific St., n s, 150′ w Nostrand Ave., three-st'y brown-stone dwell., tin and slate roof; cost, $15,000; owner, George A. Betts, 1234 Pacific St.; architects, Geo. P. Chappell & Co.; builders, James Ashfield & Son and Morris & Selover.

Oakland St., Nos. 147, 147½ *and* 149, 3 two-st'y frame dwells., gravel roofs; cost, each, $2,500; owner, E. A Watken and J. Campbell; architect, Stephen Randall; builder, F. D. Sills.

Hart St., n s, 350′ w Marcy Ave., three-st'y brown-stone dwell., tin roof; cost, $9,500; owner, Chas. E. Watts, 61 Tenth St.; architect, E. F. Gaylor; builders, Matthew Smith and S. M. Weekes.

Myrtle Ave., s s, 325′ e Throop Ave., four-st'y brick tenement, tin roof; cost, $7,200; owner, B. T. Biffar, 516 Broadway; architect, E. F. Gaylor; builders, Mathew Smith and Jenkins & Gillies.

Water St., s s, 200′ e Jay St., 2 four-st'y brick tenements, tin roofs; cost, each, $6,000; owner, James Kerns, 114 Vanderbilt Ave.; architect, I. D. Reynolds; builders, Leahey & Moran and S. C. Whitehead.

Gates Ave., n s, 100′ e Reid Ave., 12 four-st'y brown-stone stores and dwells., tin roofs; cost, each, $9,000; owner and architect, Wm. Godfrey, 548 Monroe St.; builders, Wm. M. Gibson and Wm. Godfrey.

Conover St., n e cor. Sullivan St., four-st'y brick store and tenement, tin roof, wooden cornice; cost, $8,000; owner, William Woods, 240 Sullivan St.; architect and builder, C. M. Detlefsen.

Broadway, w s, 25′ n Stockton St., 2 three-st'y frame stores and dwells., tin roofs; cost, each, $3,900; owner and builder, George Loeffler, 78 Jefferson St.; architect, Frank Holmberg.

Broadway, w s, 65′ n Stockton St., three-st'y frame store and dwell., tin roof; cost, $4,000; owner and builder, Geo. Loeffler, 78 Jefferson St.; architect, Frank Holmberg.

Twelfth St., n s, 100′ w Seventh Ave., 3 three-st'y brick dwells., tin roofs; cost, each, $4,000; owner, A. G. Calder, 312 Twelfth St.; architect, Wm. M. Calder; builders, Jno. Wyeth and A. G. Calder.

Lafayette Ave., s s, 150′ w Clason Ave., two-st'y brick factory, gravel roof; cost, $4,000; owner, Edw. J. Hewitt, 49 Beekman St., New York; architects, Parfitt Bros.

Lafayette Ave., No. 1113, two-st'y and basement brick dwell., tin roof; cost, $6,000; owner, Mrs. Mari Ohle, 1021 Broadway; architect, H. Vollweiler; builders, George Cutler and H. Stocks.

South Ninth St., n s, 65′ w Eighth St., 3 four-st'y brick and brown-stone tenements, tin roofs; cost, each, $13,000; owner, E. Smith, Bedford Ave.; architect, W. H. Gaylor; builder, T. Gibbons.

Henry St., s e cor. Orange St., three-st'y and basement brick and brown-stone tenement; cost, $27,000; owner, Thomas Schlourb, 91 and 93 Orange St.; architect, E. W. Greis; builder, J. Thatcher.

Greenpoint Ave., s s, 75′ e Newell St., one-st'y frame depot and stable, gravel roof; cost, $5,000; owners, Calvary Cemetery and Greenpoint Railroad; architect, C. L. Smith; builders, G. & A. Langer.

South Fifth St., No. 79, n s, 75′ w Third St., four-st'y brick tenement, tin roof; cost, about $8,500; owner, W. R. Bell; architect and builder, C. A. Mushlit.

Greenpoint Ave., n s, *Nos.* 83 *to* 121, 21 four-st'y brick stores and dwells., gravel roofs; cost, each, $9,000; owner, James R. Sparrow, Greenpoint, L. I.; architect, E. B. Ackerly; builder, J. B. Woodruff.

President St., No. 825, 200′ w Eighth Ave., three-st'y brick dwell., tin roof; cost, $16,000; owner, Julia E. Woodford, 67 Cambridge Pl.; architect, H. O. Avery; builders, C. Cameron and W. S. Wright.

Leonard St., e s, 125′ n Calyer St., 2 three-st'y frame tenements, gravel roofs; cost, each, $9,500; owner, S. M. Saunders, Leonard St.; architect, F. Weber.

Gates Ave., n e cor. Sumner Ave., 6 four-st'y brick stores and tenements, gravel roofs; cost, each, $9,000; owner, M. E. Hall, 63 Patchen Ave.; architect, T. S. Godwin.

Kent Ave., e s, 25′ n Kosciusko Pl., three-st'y brick tenement, tin roof; cost, $5,500; owner, Thos. McCoy, on premises; architect, R. Dixon; builder, F. Fagan.

Manhasset Pl., e s, 110′ s Rapalyea St., 2 two-st'y brick dwells., tin roofs; cost, each, $3,000; owner, James Campbell, 6 Tiffany Pl.; architect, F. Ryan.

Chicago.

Building Permits. — P. Popp, three-st'y store and dwell., 558 Halsted St.; cost, $12,000.

L. Strassheimer, two-st'y dwell., 1010 North Halsted St.; cost, $3,000.

J. Kohler, two-st'y dwell., 3009 Portland Ave.; cost, $2,500.

H. McGarrey, two-st'y dwell., 623 Harrison St.; cost, $2,600; architect, J. C. Zarbel.

F. Norotny, four-st'y stores and flats, Blue Island Ave. and Nineteenth St.; cost, $20,000.

M. Rech, three-st'y dwell., 240 Oak St.; cost, $7,-000; architects, Schaub & Berlin.

T. Hoffman, basement, 115 Clybourne Ave.; cost, $2,500.

J. H. Dolz, two-st'y dwell., 465 Warren Ave.; cost, $2,800.

L. P. Smith, two-st'y dwell., 27 Bellevue Pl.; cost, $10,000.

M. Jalovy, two-st'y dwell., 102 Wesson St.; cost, $3,500.

Mrs. Trapp, two-st'y dwell., 28 Burling St.; cost, $4,000.

E. Deslefano, three-st'y store and dwell., 199 West Taylor St.; cost, $4,000.

Mrs. E. L. Potwin, three-st'y dwell., 391 Dearborn Ave.; cost, $7,000; architect, W. L. B. Jenney.

O. Cobb, alterations Hershey Music Hall, 81 to 87 Madison St.; cost, $15,000.

Mrs. C. Sperry, three-st'y flats, 307 Larrabee St.; cost, $3,500.

S. E. Barrett, 2 two-st'y dwells., 745 to 747 North Clark St.; cost, $12,000; architect, W. L. B. Jenney.

Wood Bros., three-st'y flats, 18 Twenty-sixth St.; cost, $3,500.

M. Gebel, three-st'y flats, 206 Rush St.; cost, $4,-500.

Mrs. H. Cohn, three-st'y store and flats; cost, $9,-000; architect, A. Bresler.

Geo. Birkhoff, Jr., two-st'y dwell., 575 West Adams St.; cost, $8,500; architect, J. F. Warner.

C. Gerhrke, four-st'y store and dwell., 453 Wells St.; cost, $5,500; architect, Schnoor.

W. H. Brett, three-st'y flats, 31 Adams St.; cost, $6,000; architect, J. Van Osdell.

L. & S. J. Arado, three-st'y store and flats, 84 Sherman St.; cost, $10,000; architect, W. F. Carroll.

Mrs. M. J. Harwood, 2 two-st'y dwells., 1919 Indiana St.; cost, $8,000; architect, W. A. Furber.

M. J. Chalmers, three-st'y dwell., 234 Ashland Ave.; cost, $20,000.

Thos. Meyer, four-st'y store and flats, 1029 Milwaukee Ave.; cost, $6,000; architect, C. P. Hanson.

N. P. Smith, 6 two-st'y dwells., 3237 to 3255 Cottage Grove Ave.; cost, $21,000.

R. Lancaster, three-st'y store and flats, 3269 Cottage Grove Ave.; cost, $6,000; architect, W. A. Furber.

St. Luke's Church Mission House, two-st'y Mission house, 358 Western Ave.; cost, $2,700.

O. B. Taft, one-and-one-half-st'y dwell., 3014 Michigan Ave.; cost, $7,000; architects, Wheelock & Clay.

Chas. Gehrke, two-st'y store and dwell., 139 Fullerton Ave.; cost, $5,000.

A. Kalb, three-st'y store and dwell., 455 West Madison St.; cost, $8,000.

C. Schroeder, 4 cottages, 997 to 1005 Hinman St.; cost, $4,000.

J. Wenzeler, two-st'y dwell., 3531 Dearborn St.; cost, $4,000.

Wm. Flagg, two-st'y rear addition, 1 Woodland Pk.; cost, $3,000.

J. Holland, three-st'y dwell., Michigan Ave.; cost, $12,000.

J. Totzke, 2 two-st'y stores and flats, 688 to 690 West Chicago Ave.

J. O. Callaghan, two-st'y flats, 683 Fulton St.; cost, $3,500; architect, C. Isaacson.

Cincinnati.

Chamber of Commerce. — The competition for the new Chamber of Commerce closed on June 1, and fourteen sets of plans were received from which that of Mr. H. H. Richardson, of Brookline, Mass., has been selected for execution.

Building Permits. — Richter & Co., four-st'y brick building, Ninth and Main Sts.; cost, $8,000.

Cincinnati Music Verein, four-st'y brick building, Twelfth and Walnut Sts.; cost, $20,000.

E. B. Meiner, four-st'y brick building, Vine and Marcy Sts.; cost, $4,000.

G. G. Vanpandt, two-st'y brick building, 165 Barr St.; cost, $5,000.

F. Berger, three-st'y brick building, 80 Pleasant St.; cost, $3,000.

Wm. Gleme, four-st'y brick building, 266 West Fifth st.; cost, $5,500.

M. Wurth, three-st'y stone front, Richmond and Cutler Sts.; cost, $10,000.

Mrs. J. Foster, four-st'y brick building, 208 West Fifth St.; cost, $12,000.

'or sewer works in all cases should be capable of
land cement and lias limes make good hydraulic
ons of cement, or of lime to sand, should not ex-
clean, sharp sand to one by measure of ground
s lime. If clean furnace ashes or slag are avail-
of sand and one-half of ashes or slag, the whole
ing pan, each pan-full to have twenty minutes'
r is used with bricks, the beds and joints should
ll over the entire area of both bed and joint,
nto place, a bed and joint never less than one-
kness of mortar. In four cubic yards of com-
hould not be less than one cubic yard of mortar
ng mortar or concrete, it will be of the utmost
n materials and to preserve them clean; the
bricks and for mixing concrete and mortar must
crete and mortar should also be used on clean
sson, *C. E.*

Vord "Dome." — It is doubtful how the word
ied to a cupola, or vaulted roof. A cathedral
erman *dom*, and a dome may be so called be-
t of a cathedral church. A church in general
house of God, and probably the name was
rch *par excellence*. On the other hand, we find
is used for a roof. The word *domus* is com-
Greek *demo*, to build, but this, I believe, is
the horse. We have the most natural deriva-
ving a dwelling in the notion of a hearth or
rea, signifying smoke, is applied in the second
i, family living in a house, and in like man-
e, is identical with Breton *moug* or *mog*, a fire,
while a derivative *moged* is in the latter dia-
s mode of expression is almost universal in a
The census includes those provinces beyond
n the empire which are numbered by fire-
pulation of China," Amer. Orient. Soc. Now
y identical with *thumos* and *fumus*) is rendered
while the form *dom* is also used in the latter
smoke; *dum*, a house; where the two senses
Breton, by the modification *moug* and *moged*,
e. — *Hensleigh Wedgewood, M. A.*

---

r decided. — In the Second District Court,
written opinion in the case of Charles D. Mar-
W. Butler and wife. The case was tried in
ere, t e defendants employed the plain-
t, to e plans and specifications for a
cted o. llerton Avenue, Montclair. After
ns were drawn and the contractor's bids sub-
fused to accept the plans, and thereupon the
usual commission for his services, on which,
suit. The defence interposed by the defend-
that the plans called for a building which, if
yond the defendants' lot a few inches; sec-
of any contractor exceeded the stated amount
spend on the building. In reply, the plaintiff
ents of the lot were furnished by Dr. Butler,
ad been occasioned by the defendant's mis-
in the original plans, made at the request of
oned the increased cost. Judge Henry, after
for the defendants, and E. A. Rayner for the
nion reviewing both the law and the facts,
ntitled to recover a reasonable compensation
ng the plans, etc., and gave judgment in his

Hardening Plaster. — A new process for
d, and capable of being substituted for wood
ut out by M. Julhe. Plaster has this advan-
en over wood, that it increases rather than
ng applied to structures; but it fails in hard-
e. To overcome this difficulty M. Julhe
laster with one part of rich lime, recently
This mixture is to be used like ordinary
le from it when it is very dry is caused to
nate which has a base precipitable by lime,
de. Such are the sulphates of zinc or iron.
s is as follows: The lime contained in the
mposes the sulphate, with production of two
phate of lime and oxide, which fill the pores
the treatment in question. With sulphate of
a white color, but with sulphate of iron the
kes on drying and with the lapse of time the
f iron. With sulphate of iron the hardest
resistance to rupture being twenty times
y plaster. To obtain the maximum hardness
ry that the object should first be very dry,
which is practically saturated. The first im-
he solution ought not to last over two hours,
at first is apt to render the surface friable.
ject afresh after the first immersion, there is
ecoming friable. If the proportion of slaked
face is apt to take a very hard marble-like
hardening of the inner portions of the object.
f lime to six of plaster as stated above has
Plaques made in this way can be browned by
d oil and litharge, and glazed on the surface
A beautiful glassy flooring like polished oak
ed. — *Engineering.*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

BUILDING PATENTS.

[*Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.*]

318,946. Device for Removing Window-Sash from Frames. — John Bowbin and Michael H. Croker, Chicago, Ill.

318,956. Shingle-Sawing Machine. — Frank Challoner, Omro, Wis.

318,957. Art of Recutting Files. — Luke Chapman, Collinsville, Conn.

318,962. Stone-Cutting Machine. — John Crump and Richard Brereton, Philadelphia, Pa.

318,984. Bevel for Draughtsman or Artificers. — Jasper J. Hedges, Athol, Mass.

318,988. Window-Screen. — Frank and Anton Hubka, Chicago, Ill.

318,994. Reamer. — Everett L. Lake, Syracuse, N. Y.

318,998. Sash-Fastener. — Jacob F. Maugans, Bellefontaine, O.

319,012. Combined Square, Miter and Bevel. — John Muller, Kansas City, Mo.

319,027. Method of Making Twisted Boring-Tools. — Chas. Robin, Chester, Conn.

319,039. Bench-Plane. — Justus A. Traut, New Britain, Conn.

319,053. Electric Burglar-Alarm. — Joseph Barkheimer, Des Moines, Iowa.

319,058. Lock. — Edward W. Brettell, Newark, N. J.

319,062. Hot-Air Furnace. — Stephen T. Bryce, Dayton, O.

319,064. Heat-Regulator. — Lyman C. Byce and Alzina Dias, Petaluma, Cal.

319,074. Chimney-Top. — Geo. Crompton, Worcester, Mass.

319,086. Door-Check. — Peter Forg, Boston, Mass.

319,087. Blind-Slat Fastening. — Augustus M. Freeman, Ocean Grove, N. J.

319,099. Elevator. — William A. Konoman, Chicago, Ill.

319,104. Window. — Anton Matuska, Chicago, Ill.

319,113. Door-Hanger. — Silas H. Nye, Union City, Mich.

319,121. Weather-Strip. — John W. Power, Carthage, Ind.

319,159. Ratchet-Brace. — Edgar H. Whitney, Winchendon, Mass.

319,162. Weather-Strip. — George Zitzman, Bennett, Pa.

319,168. Window-Screen. — Jas. W. Bachus, New Windsor, Ill.

319,172. Fireplace Heater. — Thos. J. Bartlett, Colorado, Tex.

319,205. Shutter-Worker. — Alvin H. Dodd, Hudson, N. Y.

319,207. Shutter and Door Bolt. — Andrew J. Doolittle, Hamden, Conn.

319,209. Shutter-Fastener. — Tiberias Dougherty, Philadelphia, Pa.

319,215. Spring-Calipers. — Charles P. Fay, Springfield, Mass.

319,228. Metal Roofing. — Benedict Goodman, Auburn, Ind.

319,230–231. Radiator. — John Gormly, Provo City, Utah.

319,247. Rolled Wood-Screw. — Hayward A. Harvey, Orange, N. J.

319,252. Window-Guard. — William Hinze, Newark, N. J.

319,265. Window Frame and Sash. — John E. Jones, New York, N. Y.

319,275. Sash-Holder. — Cris Lee, Paducah, Ky.

319,288. Fastening for Meeting-Rails of Sashes. — Thomas L. McKeen, Easton, Pa.

319,289. Pipe-Joint. — Hugh McKenna and George D. Bulmer, Penn, Pa.

319,292. Automatic Elevator-Gate. — John G. Meisner, Chicago, Ill.

319,324. Sash-Fastener. — Thos. B. Ross, Evansville, Ind.

319,336. Water-Closet. — Samuel F. Sniffen, New York, N. Y.

319,370. Fire-Escape. — Charles P. Willson, Summit Point, W. Va.

319,374. Refrigerator Building and Apparatus. — Thomas R. Wingrove, Baltimore, Md.

319,379. Sash-Balance. — Geo. W. Arnold, Knoxville, Ill.

319,390. Process of Making Concrete Walls, Blocks, etc. — Thos. W. Carrico, San Antonio, Tex.

319,414. Sash-Fastener. — John Huth, Canton, O.

319,422. Window-Screen. — Josiah K. Proctor, Philadelphia, Pa.

319,427. Sash-Fastener. — Wm. J. Slyder, Troy, O.

SUMMARY OF THE WEEK.

Baltimore.

Dwellings. — John Gill, Jr., is to have built 6 three-st'y and basement brick and stone dwells., on North St., near Chase St., on lot 18' x 29' 5", to cost $12,000; from designs by J. A. & W. T. Wilson, architects.

Building Permits. — Since our last report twenty-one permits have been granted, the more important of which are the following: —

E. Rosenfeld, three-st'y brick warehouse, 25' x 100', n w cor. Sharp and Perry Sts.

Jos. L. Amos, 2 three-st'y brick buildings, e s Madison St., s of North Ave.

Wm. M. Warfield, 6 two-st'y brick buildings, commencing n w cor. Gilmor and McHenry Sts.; and 7 two-st'y brick buildings, n s McHenry, w of Gilmor St.

Jacob Seeger Estate, 4 three-st'y brick buildings, e s Pennsylvania Ave., s of Union St., and 5 two-st'y buildings, n s Pear Alley, s of Union St.

Hugh Ward, three-st'y brick building, e s McKim St., between Eager and Chase Sts.

Brooklyn.

Building Permits. — *Lorimer St., Nos.* 140 *and* 142, 2 three-st'y frame tenements, tin roofs; cost, each, $4,000; owner, Wm. Ernst, Stagg St., cor. Lorimer St.; architect, Th. Engelhardt.

Grove St., Nos. 22, 24, 26 *and* 28, between Broadway and Bushwick Ave., 5 three-st'y frame tenements, tin roofs; cost, $4,000; owner, David Lauer, 1534 Fulton St.; architect, A. Hill; builders, Weeks & Lauer.

Vernon Ave., n s, 345' e Marcy Ave., 3 two-st'y basement and attic brown-stone dwells., tin roofs; cost, each, $5,000; owner, Walter S. Davis, Stone Ave. and Truxton St.; architect, S. Peden, Jr.

Putnam Ave., s s, 340' w Nostrand Ave., 6 three-st'y brown-stone dwells., mansard, slate and tin roofs; cost, each, $5,500; owner, architect and builder, T. W. Swimm, 358 Putnam Ave.

Jefferson St., s s, 190' w Throop Ave., 2 two-st'y brown-stone dwells., tin roofs; cost, each, $5,000; owner and builder, Wm. Reynolds; architect, I. D. Reynolds.

Court St., w s, 59' n Third Pl., three-st'y brick store and dwell., tin roof; cost, $5,600; owner, Dr. Dugan, South Fourth St., cor. Fifth St.; builders, M. Smith and Gilmor & Trevor.

Manhattan Ave., w s, 75' s Greene St., four-st'y brick store and tenement, tin roof; cost, $10,000; owner, I. Walsh, 471 Manhattan Ave.; architect, H. Vollweiler; builder, J. D. Eggers.

Manhattan Ave., n e cor. Calyer St., 4 four-st'y brick stores and tenements, tin roofs; cost, total, $34,000; owner and builder, Henry Bogel, Calyer St., n w cor. Eckford St.; architect, H. Vollweiler.

Prospect Pl., n s, 150' w Vanderbilt Ave., 4 three-st'y brown-stone dwells., tin roofs; cost, each, $7,000; owner, Wm. C. Vosburgh, 116 Clermont Ave.; architects, Eastman & Daus; builders, Peter Kelly and W. Schepper.

Hancock St., Nos. 176, 178 *and* 180, 300' e Nostrand Ave., 3 three-st'y brown-stone dwells., tin roofs; cost, each, about $10,000; owner, Geo. G. Halleck, 393 Gates Ave., estate of G. Halleck, deceased, 401 Grand St., New York, and Alfred T. Lenard, 114 Madison Ave., New York; architect, J. B. Snook.

Bergen St., s s, 100' e Nostrand Ave., 5 two-st'y brown-stone dwells., tin roofs; cost, each, $5,500; owner, Martin Joost, 117 Hancock St.; architect, M. J. Morrill; contractor, P. Brady.

Metropolitan Ave., *No.* 55, n s, 25' w Olive St., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,300; owner, Augustine Straub, 53 Metropolitan Ave.; architect, Th. Engelhardt; builders, P. Kunzweiler and C. Buchheit.

De Kalb Ave., s s, 50' e Evergreen Ave., 2 three-st'y frame (brick-filled) stores and tenements, tin roofs; cost, each, $3,500; owner, architect and builder, Henry Loeffler, 189 Stockton St.

Concord St., n s, 174' 8" e Gold St., one-st'y mission day school, etc., slate roof; cost, $7,500; owner, the Industrial School Association; architects, Parfitt Bros.; builders, Morris & Selover.

Park Ave., s e cor. Sandford St., one-st'y frame car-stable, gravel roof; cost, $13,000; owner, Nostrand Ave. R. R. Co.; architect, J. H. Hough; builders, S. F. Bartlett and J. B. Woodruff.

Nostrand Ave., s w cor. Park Ave., two-st'y frame car-house, gravel roof; cost, $10,000; owner, etc., same as last.

Fulton St., *No.* 1890, three-st'y frame (brick-filled) store and tenement, tin roof; cost, $4,000; owner, Benjamin Gramer, 95 Sumpter St.; architect, E. Schrampt; builders, J. Hertlin and C. Baur.

Newell St., w s, 95' n Norman Ave., three-st'y frame (brick-filled) tenement, gravel roof; cost, $4,500; owner, William Maywood, 212 Eckford St.; architect, Fr. Weber.

State St., n w cor. Boerum Pl., one-st'y brick car-house and stable, gravel roof; cost, $50,000; owner, Atlantic Ave. R. R. Co., Third Ave., cor. Atlantic Ave.; architects, W. H. Hazard, Son & Co.

Alterations. — *Tompkins Ave.*, n w cor. Quincy St., two-st'y brick extension, tin roof; cost, $3,000; owner, E. H. Eden, on premises; architect, I. D. Reynolds; builder, W. Zang.

Flatbush Ave., cor. Park Pl. and Carlton Ave., add three stories, mansard, slate and tin roof; also, four-st'y extension, tin roof; alteration for store and tenement; cost, $12,000; owner, H. W. Blattmacher, 378 Flatbush Ave.; architect, C. F. Eisenach; builders, J. M. Brown and P. S. Cootey.

Furman St., *Nos.* 147 *and* 149, raised three feet, new fronts, prepared for occupancy; cost, $12,000; owners, Lorin Palmer and G. L. Ford, 142 Columbia Heights and 97 Clark St.; architects, John Cox & Co.

South Ninth St., s s, 100' w Third St., five-st'y brick extension, tin roof, front taken down, and building extended five feet forward, front to be of brown-stone; cost, $12,000; owner, Joseph Applegate, Bedford Ave.; architect, E. F. Gaylor; builders, Thomas Gibbons and Jenkins & Gillies.

Clinton Ave., *No.* 66, one-st'y brick extension, tin roof, interior alterations; cost, $5,000; owner, Steven Cox; architect, A. Hill; builder, B. Linikin.

Atlantic Ave., *Nos.* 57, 59 *and* 61, repair damage by fire; cost, $4,000; owner, Henry Lindenberg, 62 Atlantic Ave.; builder, E. Smith.

Chicago.

Building Permits. — Cobb & Pierpont, 2 three-st'y dwells., 509 Superior St.; cost, $14,000; architects, Cobb & Frost.

D. W. Ryan, two-st'y addition, 17 to 25 Coventry St.; cost, $2,500.

H. Schwahn, 2 three-st'y dwells., 3231 to 3233 South Park Ave.; cost, $10,000; architects, Furst & Rudolph.

R. Latholz, five-st'y warehouse, 184 to 186 Michigan Ave.; cost, $25,000; architect, E. Baumann.

Mrs. J. Fischer, two-st'y addition, 148 Hastings St.; cost, $2,500.

D. Russell, one-st'y addition, 51 North Desplaines St.; cost, $2,600.

F. Mange, three-st'y store and dwell., 544 Blue Island Ave.; cost, $12,000; architect, P. W. Ruehl.

M. Schmidt, 3 three-st'y stores and dwells., 2252 to 2256 State St.; cost, $30,000.

M. Huhs, two-st'y store and dwell., 208 North Ave.; cost, $4,000; architect, A. Boos.

W. Watson, two-st'y barn, 2640 Prairie Ave.; cost, $3,000; architects, Treat & Foltz.

J. F. Smith, 2 three-st'y stores and dwells., 12 to 16 South Halsted St.; cost, $15,000; architect, S. V. Shipman.

D. McCarthy, 3 three-st'y stores and dwells., 879 to 881 West Madison St.; cost, $11,000; architect, W. Strippelman.

J. C. Krasa, three-st'y dwell., 218 Maxwell St.; cost, $4,600; architect, A. Soula.

F. M. Mory, three-st'y dwell., 100 Bunker St.; cost, $4,200.

N. W. Leffer, three-st'y store and dwell., 858 West Lake St.; cost, $6,000; architect, E. Baumann.

J. C. Clement, one-st'y store and dwell., Western Ave and Monroe St.; cost, $6,000; architect, F. Baumann.

G. Weertz, 2 three-st'y stores and dwells., 900 to 902 Halsted St.; cost, $12,000; architect, H. Randolph.

H. Brause, three-st'y store and dwell., 575 Twelfth St.; cost, $5,000; architect, E. Sendilbach.

C. Wildner, three-st'y store and dwell., 418 Larrabee St.; cost, $8,000; architect, C. F. Berlin.

J. Schnoor, three-st'y dwell., 280 Fremont St.; cost, $6,000.

C. G. Bode, 4 three-st'y stores and dwells., 500 to 506 West Twelfth St.; cost, $40,000.

E. Peterson, two-st'y dwell., 814 Maplewood Ave.; cost, $4,700; architect, C. C. Fitch.

W. Staden, two-st'y flats, 210 West Huron St.; cost, $2,500.

B. B. Rockford, two-st'y dwell., 409 Centre St.; cost, $4,000.

Dr. A. H. Cooke, 2 two-st'y dwells., 334 Dearborn Ave.; cost, $8,000.

J. Carden, six-st'y malt house, 16 to 22 Cherry St.; cost, $30,000; architect, F. W. Wolf.

Mrs. C. Libke, three-st'y flats, 99 West Erie St.; cost, $6,500; architects, Burling & Whitehouse.

Mrs. M. Mahoney, three-st'y flats, 64 Whiting St.; cost, $8,000.

J. Telfer, two-st'y dwell., 327 Austin Ave.; cost, $3,500.

Church of the Redeemer, church, 251 to 255 Warren Ave.; cost, $40,000.

J. Heffy, three-st'y flats, 161 West Adams St.; cost, $6,000; architect, J. Hanlan.

H. O. Sullivan, four-st'y store and flats, 299 West Twelfth St.; cost, $5,000; architect, P. W. Ruehl.

T. Scholzen, four-st'y store and flats, 301 West Twelfth St.; cost, $5,000; architect, P. W. Ruehl.

M. M. Haltz, 3 two-st'y flats, 291 to 295 Robey St.; cost, $10,000.

Fortune Bros., four-st'y malt house; cost, $40,000.

C. Crede, addition, 169 to 171 Third Ave.; cost, $6,000.

O. Osmus, two-st'y dwell., 940 Twelfth St.; cost, $2,800.

G. Hormuth, two-st'y dwell., 942 Twelfth St.; cost, $3,300.

Mrs. M. B. Lincoln, three-st'y flats, 349 to 351 Van Buren St.; cost, $10,000; architect, J. S. Lincoln.

E. J. Lehman, two-st'y store, 198 to 200 State St.; cost, $15,000; architects, Treat & Foltz.

Mrs. D. Gilikson, two-st'y dwell., 304 Morgan St.; cost, $2,500.

H. & A. Keep, 2 six-st'y stores, 257 to 263 State St.; cost, $100,000; architect, T. V. Wadskier.

S. H. Frederich, two-st'y dwell., 1076 Leavitt St.; cost, $1,000.

F. Sweetser, four-st'y store and dwell., 175 to 177 Halsted St.; cost, $18,000; architect, J. M. Van Osdel.

Mrs. A. M. Holton, 3 two-st'y dwells., 304 to 308 Warren Ave.; cost, $11,000.

C. C. Nelson, three-st'y flats, 287 West Ohio St.; cost, $4,000.

J. M. Love, 3 two-st'y dwells.; cost, $10,500; architects, Wheelock & Clay.

J. M. Love, 5 two-st'y dwells., 3258 to 3266 Vernon Ave.; cost, $17,500; architects, Wheelock & Clay.

E. Ender, two-st'y dwell., 90 Lincoln Ave.; cost, $4,500.

N. R. Warwick, one-st'y addition, 150 to 154 Fifth Ave.; cost, $4,000.

F. Stantz, 2 two-st'y dwells., 408 to 410 Twenty-seventh St.; cost, $3,500.

J. Jenson, 4 one-st'y cottages, North Leavitt St.; cost, $4,500.

T. C. Duncan, two-st'y dwell., 590 Adams St.; cost, $7,000.

J. Hirsch, two-st'y dwell., 3130 Michigan Ave., cost, $20,000; architect, C. C. Miller.

H. B. Mason, three-st'y dwell., 29 Delaware St.; cost, $10,000; architects, Treat & Foltz.

H. L. Brown, two-st'y dwell., 301 Warren Ave.; cost, $5,000; architect, W. E. Carroll.

Cincinnati.

F. Doepke, one-and-one-half-st'y frame building, 391 East Third St.; cost, $3,900.

Hy. Ballman, two-st'y brick building, Baum and Observatory Ave.; cost, $3,300.

F. Schuler, two-st'y brick building, Lincoln Ave.; cost, $5,500.

C. Dimeyer, three-st'y brick building, 366 McIntosh St.; cost, $3,000.

Wm. Northside, two-st'y brick building, Harrison and Fairmount Pike; cost, $4,100.

Wm. Menz, two-st'y brick building, Colman and Bank Sts.; cost, $3,500.

Henry Fisher, two-st'y brick building, Euclid and Boone Sts.; cost, $3,000.

F. Lentz, three-st'y brick building, Central Ave. and Bank St.; cost, $4,200.

ARTIN'S, CANTERBURY. — The interesting church ry, which bears the reputation of being one of oldest, in England, has lately been the scene interest to archæologists, the latest made by that of a Norman hugioscope or "squint." orthwest wall of the nave at its junction with in insertion in a wall of Roman construction, to be similar to those which form at least the ve and chancel. There are regular courses of rface of the original wall has been covered mon-colored mortar. A coating of common es thick, has covered up and concealed the for the most part stood intact since first en- sh Christians in the third or fourth century. uary was afterward profaned to heathen use, ay, until it was, as Bede records, repaired and worship for Queen Bertha. The original the long course of time, many changes. It ge when the Norman builders pierced the ow, squint or piscina, which the still further oncealed. Yet the ancient walls are there, memorial of Christian worship in Britain es than the coming of Augustine.—*London*

ARS IN CASES OF FIRE. — We stated some upper stories of a building in Berlin falling ving way of cast-iron pillars, the Prussian nd an edict forbidding the use of cast-iron uilding, but permitting the use of wrought- g only be used provided that each pillar is g of sheet-iron, in such a manner that there the two. This edict has provoked much nd several authorities have reasoned against nts to disprove the assumption on which it ninger, of Münich, recently made a long pillars of both cast and wrought iron. He hts that they are usually allowed to bear in n first to 300° Cent., then to 600° Cent., and let a stream of cold water play on them, case in a fire being extinguished by fire- llars were much damaged and cracked by ed to carry their loads quite safely, while much bent before redness was reached, and er was squirted on to them that they could e conclusion is that cast-iron is really far ought. Pillars of other materials were also tural , brick and concrete. The latter g a three hours' duration. Also pil- very , but granite, sandstone, and other as much resistance. If the obnoxious edict one no other good, it seems at least to have work on this important subject.—*Engineering.*

Y DOCK IN QUICKSAND. — This dock was Hamburg-American Steam Packet Company. is a narrow strip on the bank of the Elbe, partly below high water, and the soil so ould only stand at a slope of 1 in 4. The ng, 66 feet broad, and about 23 feet below om. Want of space precluded the forma- eral rows of sheet piles of varying heights, e safest arrangement, so it had to be con- sheet piling, which not only had to support rrounding soil, but, owing to its unavoidable allowed the water to percolate through the ore, was the setting up of four turbines for The work demanded of them was the lifting aximum height of 23 feet in three and one- perfectly in half that time — that is, they bic yards per second. In order to limit as h to which the piles had to be driven, the t made horizontal, but rounded, to corre- vessel, so that to drive the piles down to 23 was sufficient. The space inclosed by the . The concrete employed for the founda- Lumeburg lime, 7 trass and 16 sand, mixed broken stone, and was at first shot out for or of the dock at once, by means of a ched to a travelling crane; but this arrange- for the chute often splintered and broke, so substituted. After the concrete had lain the water was pumped out, and the concrete, found sufficiently water-tight. Splinters nd in the concrete floor, and their removal ss, but these were successfully stopped by te floor the side and front walls were built p to summer flood-level, with a rebate or d round the dock is a quay-wall reaching After a time it was observed that the butting alls loosened the mortar, and the recess was made completely so by a facing of planed king. The weight of the empty dock alone he upward thrust of the water at very high h the weight of a ship there is, of course, an en no ship is in dock it is arranged that so ted as will satisfy the conditions of safety. t in 1868 to 1870, and cost $325,000.—*The*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

319,436. PORTABLE BUILDING. — Jas. E. Acheson, Ainsworth, Iowa.

319,444. REFRIGERATOR BUILDING AND CHAMBER. — Robert Bogardus, Albany, N. Y., and Washington A. H. Bogardus, 24, Chicago, Ill.

319,463. ADJUSTABLE STAGING-BRACKET. — Joseph D. Davenport, Pawtucket, R. I.

319,464. FLOOR-CLAMP. — Charles F. Dearth, East Sangerville, Me.

319,466. EAVES - TROUGH HANGER. — Gideon S. Dippry, Canton, O.

319,471. COMPOUND SPILING FOR WHARVES AND BRIDGES. — Jacob Elmer, Biloxi, Miss.

319,480. ELEVATOR SAFETY DEVICE. — Lorenzo S. Graves, Rochester, N. Y.

319,494. ROLLER FOR SLIDING-DOORS. — John H. Lawrence, Sterling, Ill.

319,509. SASH-HOLDER. — Emory G. Rust, Grand Prairie, Tex.

319,517. CABINET-MAKER'S CLAMP. — William E. Sheldon, Medford, Mass.

319,529. TRAP FOR DRAIN-PIPES. — Russell Thayer, Philadelphia, Pa.

319,532. DOOR - CHECK. — Samuel Weaver, Pottstown, Pa.

319,547. PUMP. — Chas. H. Bennett, Blossburg, Pa.

319,552. CHIMNEY-COWL. — Thomas J. Bradbeer, Detroit, Mich.

319,566. BURGLAR-ALARM. — Frank Cross, Washington, Ind.

319,575. ARTIFICIAL - STONE PAVEMENT. — John Grant, Omaha, Neb.

319,576. PARTITION-WALL. — Wm. Greisser, Chicago, Ill.

319,577. SELF-CLOSING FAUCET. — Thomas Haley, Cambridge, Mass.

319,590. VENTILATOR. — Chas. B. Loveless, Worthington, Minn.

319,592. WINDOW AND OTHER GLASS. — Michael Magrath, New York, N. Y.

319,599. COMBINED LOCK HASP AND HOOK. — Frank N. Mihills, East Beekmantown, N. Y.

319,601. STEAM-RADIATOR. — Hazen Moores, Milwaukee, Wis.

319,620. BLIND-SLAT CHECK. — John Racey, Quebec, Canada.

319,625. DOOR-CHECK. — Joseph F. Rowlett, Richmond, Ind.

319,639. BRICK-MACHINE. — Charles A. Tarragon, Portland, Oreg.

319,664. WINDOW-BLIND. — Asbury Barker, Peekskill, N. Y.

319,670. FIRE-PROOF FLOOR. — Joseph Bossyns, Baltimore, Md.

319,677. LUMBER-DRIER. — William E. Cole, Montgomery, Ala.

319,678. HYDRAULIC VALVE FOR ELEVATORS AND OTHER APPARATUS. — Charles R. Crane, Chicago, Ill.

319,685. WINDOW AND DOOR-SCREEN. — Edward Fales, St. Louis, Mo.

319,723. ADJUSTABLE SCAFFOLD-SUPPORT. — Jas. L. Hughes, Lawrence, Kans.

319,738. STEAM-BOILER COVERING. — Wm. H. McKinney, Evansville, Ind.

319,743. VISE. — Stephen O. Parker, Meriden, Conn.

319,759. CHIMNEY-CAP. — Patrick D. Sexton, Worcester, Mass.

319,792. WOOD-FILLER. — Jas. M. Coppernoll and John W. Brandow, Jordanville, N. Y.

319,848. KNOB. — Charles Priestland, Birmingham, England.

319,852. REAMER. — Joseph Riddell and Conrad C. Trout, Sharon, Pa.

319,869. METALLIC ROOFING. — John C. Wands, St. Louis, Mo.

319,870. SMOKE-CONSUMING STOVE AND FURNACE. — Emile R. Weston, Bangor, Me.

319,881. TRUSS-FRAME FOR ROOFS OF BUILDINGS. — William P. Buckley, Oxford, N. Y.

319,888. FIRE-ESCAPE. — John Dittrick, Smith's Falls, Ontario, Can.

319,911. LUMBER-MEASURING INSTRUMENT. — Edward Y. Knapp, Arcata, Cal.

319,913. FAUCET. — Paul Kuntzel and F. Louis Loescher, Stapleton, N. Y.

319,920. FIRE-ESCAPE. — Robert Molyneux, Ransomville, N. Y.

319,921. METALLIC ROOFING. — Levi L. Montross, Sincoe, Ontario, Can.

319,938. STAY-ROLLER FOR SLIDING-DOORS. — Albert L. Swett, Medina, N. Y.

SUMMARY OF THE WEEK.

Baltimore.

DWELLINGS. — W. Claude Frederic, architect, is preparing plans for L. Robinson, Esq., for 2 three-st'y and basement brick and brown-stone buildings, to be erected on Madison Ave., near boundary on lot 23' x 100', to cost, $8,000.

ALTERATIONS. — Henry Fleming, Esq., is making alterations to his dwell. on Townsend St., No. 83, to cost, $1,200; from designs by W. Claude Frederick, architect.

BUILDING PERMITS. — Since our last report twenty-four permits have been granted, the more important of which are the following:—

P. J. Kirg, 4 two-st'y brick buildings (square) w s Potomac St., bet. Hudson and Dillon Sts., and 6 two-st'y brick buildings (square) e s Curley St., bet. Hudson and Dillon Sts.

F. Muesse, three-st'y brick buildings, s s Still St., bet. Light and Charles Sts.

S. A. Merchant, 2 three-st'y brick buildings, com. n e cor. Orleans and Chester Sts., and 5 two-st'y brick buildings, e s Chester St., n of Orleans St.

Wm. Goldbeck & Son, 3 two-st'y brick buildings, w s Chester St., s of Orleans St.

Henry A. Bruns, 11 three-st'y brick buildings, e s Park Ave., bet. Saratoga and Clay Sts.

W. H. Perrot, 10 two-st'y brick buildings, n s Oliver St., bet. Lucerne St. and Mine Bank Lane.

J. T. Elsrod, 15 two-st'y brick buildings (square) w s Bruce Alley, bet. Lexington and Saratoga Sts.

Baltimore Medical College, three-st'y brick building, w s Howard St., n of Madison St.

John Prinz, 2 three-st'y brick buildings, n s Eastern Ave., bet. Spring and Caroline Sts.

Boston.

BUILDING PERMITS. — *Wood.* — *East Eighth St., No.* 584, dwell., 30' x 40'; owner and builder, G. W. Bowker.

Akron St., Nos. 6 *and* 8, dwell., 20' x 52'; owner, Albert Cooper; builder, James Portune.

Clement Ave., near Farrington Ave., dwell., 21' and 25' 6" x 41' 2"; owner and builder, A. W. Driscoll.

Catumba St., No. 27, dwell., 24' x 39'; owner, E. W. Rundell; builder, C. H. Blodgett.

Dana St., cor. Unnamed Court, dwell., 27' x 50'; owners and builders, Pinkham & Russell.

Wyoming St., Nos. 9 *and* 11, dwell., 24' x 35'; owner and builder, S. M. Shapleigh.

Mather St., Nos. 49-55, 4 dwells., 23' x 28'; owner, Asa A. Wheeler; builder, N. T. Ryder.

East Ninth St., Nos. 588-592, 3 dwells., 20' and 25' x 30' and 55'; owner, Milton N. Page; builder, D. A. Berry.

Pynchon St., No. 59, carriage-house, 30' x 30'; owner, Henry Pfaff; builder, J. B. Hunter.

Florence St., near Ashland St., dwell., 20' and 25' 6' x 30'; owner, Thomas Fowler; builder, A. Rogers.

Brooklyn.

BUILDING PERMITS. — *Park Ave.*, n s, 75' w Marcy Ave., three-st'y frame tenement, tin roof; cost, $4,000; owner and builder, George Straub, 11 Lewis Ave.; architect, Th. Engelhardt.

Eliy St., s s, 75' w Marcy Ave., three-st'y frame tenement, tin roof; cost, $4,000; owner, architect and builder, same as last.

Douglass St., No. 157, n s, 225' w Bond St., four-st'y brick tenement, tin roof, wooden cornice; cost, $5,500; owner, Margaret E. O'Neil, 119 Hoyt St.; builders, J. Kelly and Jno. O'Neil.

Montague St., No. 82, s s, 25' w Hicks St., five-st'y brick store and tenement, tin roof; cost, $14,500; owner, H. H. Dickinson, 74 Montague St.; architect and builder, O. K. Buckley, Jr.

South Third St., n s, abt. 100' e Fourth St., five-st'y brick and Nova Scotia stone extension to Industrial School, etc., slate roof; cost, abt. $30,000; owners, Industrial School Association, on premises; architect, J. Welch; builders, W. & T. Lamb, Jr., and C. L. Johnson's Sons.

Somer St., s s, 80' e Sackman St., 3 two-st'y and cellar frame dwells., tin roofs; cost, each, $2,500; owner, Mrs. Dora Fagan, 1432 Broadway, Brooklyn; architect, C. L. D'Spatthoff; builder, B. Fagan.

Willoughby Ave., No. 724, s s, 80' e Sumner Ave., three-st'y brick dwell., tin roof; cost, $6,668; owner, Mrs. Catharine Walsh, 119 Sumner Ave.; architect, Th. Engelhardt; builder, M. C. Rush.

Maujer St., n s, 25' e Waterbury St., three-st'y frame tenement (brick-filled) tin roof; cost, $4,000; owner, Charles Marhoefer, 295 Maujer St.; builders, D. Kreuder and C. Buchheit.

Lee Ave., s e cor. Middleton St., 4 three-st'y frame tenements (brick-filled) gravel roof; cost, $3,000 and $4,500 each; owner, John T. Hall, 5 West Thirty-sixth St., New York; architects, G. P. Chappell & Co.; builders, R. B. Ferguson and C. King.

Dikeman St., s s, 92' w Van Brunt St., three-st'y frame tenement, tin roof; cost, $3,500; owner, Thos. Regan, 121 Dikeman St.; architect and builder, Jno. Smidt.

Ten Eyck St., No. 209, n s, near Bushwick Ave., three-st'y frame tenement, tin roof; cost, $4,200; owner, Wilhelm Werthmuller, on premises; architect, H. Vollweiler; builders, D. Kreuder and —— Welsh.

Livingston St., n s, 160' e Court St., four-st'y brown-stone wing to institute, tin roofs; cost, $9,500; architect, Joseph Piatt; builders, J. Thatcher and E. S. Boyd.

Lafayette Ave., s s, 320' w Sumner Ave., three-st'y brown-stone dwell., tin roof; cost, $5,000; owner and builder, Henry McQuilkin, 968 Lafayette Ave.; architect, I. D. Reynolds.

Monroe St., n s, 150' w Stuyvesant Ave., 3 four-st'y brick and brown-stone dwells., tin roofs; cost, $3,800; owner, G. De Revere, 629a Madison Ave.; architect, A. Hill.

Throop Ave., s e cor. Macon St., three-st'y brick school-house, tin roof, wooden cornice; cost, $20,000; owner, Church of Our Lady of Victory; architect, P. C. Keely; masons, McDermott & Ivers.

Herkimer St., s w cor. Russell Pl., 6 two-st'y brick dwells., gravel roof; cost, each, abt. $3,800; owners, Felix Gallagher and John Taaffe, 150 Court St.; architect and builder, Jno. Taaffe.

Hamburg St., n e cor. George St., 3 three-st'y and two-st'y frame (brick-filled) stores and tenements, tin roofs; cost, $16,000; owner and architect, N. Wabe, 87 Melrose St.; builder, J. Rueger.

Magnolia St., n s, 175' e Knickerbocker Ave., two-st'y frame dwell., slate and tin roof; cost, $4,000; owner, C. Krawer, Grand St., cor. Union Ave.; builders, M. Metzger and E. Loerch.

Conselyea St., s s No. 74, three-st'y frame tenement, tin roof; cost, $4,500; owner, Patrick Cullen, 134 Skillman Ave.; architect, H. Vollweiler; builders, P. Burns and Mead & Son.

Flatbush Ave., s e cor. St. Marks Ave., seven-st'y brick Carlisle stone and terra-cotta apartment-house, Sparham fire-proof cement roofing; cost, $150,000 to $200,000; owner, Wm. H. Scott, 33 Wall St.; architect, M. W. Morris.

Halsey St., No. 140, three-st'y brown-stone dwell., tin roof; cost, $6,500; owner, architect and builder, John S. Frost, 558 Franklin Ave.

ALTERATIONS. — *Clinton St., No.* 376, remove front wall, rebuild with brick and brown-stone; also, four-st'y brick extension, tin roof; cost, $9,000; owner, E. M. Van Tassell, Murray Hill Hotel, New York; architects, A. Zucker & Co.

Albany Ave., s e cor. St. Marks Ave., repair damage by fire; also, one-st'y brick extension, tin roof, chapel reformed, etc.; cost, $40,000; owners, R. C. Orphan Asylum Soc., Brooklyn, on premises; architect, W. Schickel; builders, P. Carlin & Sons and Morris & Selover.

Columbia St., No. 189, one-st'y brick extension, gravel roof; also, interior alterations and new store front; cost, $3,500; owner, H. K. Thurber, 146 West Twelfth St., New York; architect, G. E. Harding; builder, G. R. Truman.

Calyer St., No. 113, raised 20'; also, three-st'y st'y frame extension, gravel roof; cost, $4,000; owner, Mrs. Emma Camm, 271 South Eighth St., Newark, N. J.; architect and builder, M. S. Brade.

Court St., Nos. 240 *and* 242, add three stories; also four-st'y brick extension, front and interior alterations; cost, $18,000; owner and architect, James H. Keeler, 130 Dean St.; builder, G. H. Truman.

Chicago.

BUILDING PERMITS. — S. L. & W. J. Walker, two-st'y flats, 891 Warren Ave.; cost, $3,500.

S. F. Bennett, three-st'y store and flats, 423 Ogden Ave.; cost, $5,700; architect, H. Copeland.

Mrs. J. M. Jewett, two-st'y dwell., 3300 Vernon Ave.; cost, $6,000; architect, H. F. Starbuck.

D. F. Bacon, 2 two-st'y dwells., 3302 to 3304 Vernon Ave; cost, $8,500.

J. Wabne, two-st'y store and dwell., 3213 Parnell St.; cost, $3,000.

Mrs. M. Wendell, 2 two-st'y dwells., 3107 to 3109 Forest Ave.: cost, $10,000; architects. Treat & Foltz.

C. C. Busse, 2 three-st'y stores and flats, 518 to 520 West Harrison St.; cost, $14,000; architect, W. H. Drake.

S. J. Dorgan, two-st'y flats, 233 Centre Ave.; cost, $3,500.

H. Koller, three-st'y dwell. and stores, 815 to 818 West Lake St.; cost, $6,000.

W. Spengler, three-st'y store and dwells., 1214 to 1216 Milwaukee Ave.; cost, $18,000; architect, H. Kley.

W. Cuthbertson, two-st'y dwell., 156 North Carpenter St.; cost, $3,000; architect, A. Smith.

J. Backle, two-st'y dwell., 348 Twenty-fourth St.; cost, $2,800; architect, A. Boen.

H. H. Murray, 2 two-st'y dwells., 73 Bryant St.; cost, $5,000; architect, T. C. Meridith.

F. Headen, four-st'y store and dwell.; cost, $18,000; architects, Edbrooke & Burnham.

R. W. Hyman, Jr. & Co., repair, 79 to 81 Wabash Ave.; cost, $15,000.

V. Koanowsky, three-st'y addition, 671 Throop St.; cost, $4,000.

F. Samuiski, two-st'y dwell., 18 Brigham St.; cost, $2,500.

J. Coughlan, four-st'y store and flats, 479 West Madison St.; cost, $14,000; architect, W. W. Boyington.

W. H. Keep, three-st'y dwell., 387 Dearborn Ave.; cost, $8,000; architects, Cobb & Frost.

R. Healet, three-st'y flats, 167 Tremont St.; cost, $4,000.

H. Wettezer, two-st'y dwell., 563 Lasalle St.; cost, $7,500; architect, H. Hanson.

P. Yoehen, three-st'y store and dwell., 339 Thirty-second St.; cost, $2,700.

C. W. Division Railroad Co., two-st'y barn, 1923 to 1937 Lake St.; cost, $15,000.

J. Richards, 7 two-st'y dwells., 3242 to 3254 Rhodes Ave.; cost, $28,000; architect, W. A. Furber.

W. Carberry, two-st'y flats, 3800 Prairie Ave.; cost, $4,500; architect, J. Frank.

E. Gross, 7 cottages; cost, $7,000.

L. Eberhardt, three-st'y stores and dwells., 214 Wells St.; cost, $6,500; architect, J. Otto.

C. P. Hall, two-st'y dwell., 2944 Vernon Ave.; cost, $8,000.

P. Bayens, three-st'y dwell., 121 Elston Ave.; cost, $2,500.

F. W. Schmidt, two-st'y dwell., 12 Lincoln Pl.; cost, $3,500.

F. Huebner, three-st'y store and dwell., 479 West Chicago Ave.; cost, $7,000.

S. Kirk, two-st'y dwell., 51 Warren Ave.; cost, $3,500.

J. Heinke, three-st'y store and flats, 1086 Milwaukee Ave.; cost, $10,000; architect, H. Kley.

L. J. Haltzman, 2 two-st'y dwells., 210 to 212 Morgan St.; cost, $8,000.

W. H. Withington, 2 two-st'y dwells., 3331 to 3333 Prairie Ave.: cost, $6,000; architect, N. W. Warren.

W. Lloyd, 2 two-st'y dwells., 851 to 853 Monroe St.; cost, $9,000; architect, J. Van Osdel.

W. Lloyd, two-st'y dwell., 118 Leavitt St.; cost, $4,000.

J. Cremens, 3 cottages, 173 to 175 McGregor St.; cost, $2,500.

C. Fresche, three-st'y flats, 543 Larrabee St.; cost, $4,000.

H. Wellman, two-st'y store and dwell., 426 North Ashland Ave.; cost, $5,200.

W. A. Williams, three-st'y dwell., 60 Beethoven Pl.: cost, $5,000; architect, Berlin.

H. Soilhorn, two-st'y dwell.; cost, $2,800.

H. Van Heine, three-st'y store and dwell., 332 Blue Island Ave.; cost, $8,000.

Mrs. M. L. Bates, two-st'y dwell., 490 West Adams St.; cost, $4,000.

P. Schmidt, three-st'y dwell., 111 Warren Ave.; cost, $6,000; architect, C. O. Hanson.

G. Hallman, 2 two-st'y dwells., 659 to 661 North Ave.; cost, $4,000.

G. L. Shultz, two-st'y flat, 1119 Twelfth St.; cost, $2,800.

June 27, 1885

Mrs. A. Dixon, 3 two-st'y dwells., 3130 to 3134 South Park Ave.; cost, $11,000; architect, C. M. Palmer.

A. Bierma, two-st'y flats, 403 West Erie St.; cost, $2,500; architect, G. H. McAllee.

New York.

FLATS. — On the s w corner of Third Ave. and Ninety-sixth St. 4 five-st'y brick and stone flats and stores, to cost $90,000, are to be built from plans of Messrs. Schwarzmann & Buchman.

On the w s of Third Ave., 25' s of One Hundred and Sixth St., 3 five-st'y brick and brown-stone flats and store, to cost $50,000, are to be built by Mr. J. D. Karst, Jr., from plans of Mr. R. Berger.

HOUSES. — On the w s of New Ave., bet. One Hundred and Fifteenth and One Hundred and Sixteenth Sts., 12 three-st'y and basement brick, stone and terra-cotta houses are to be built by Mr. Wm. F. Lett, at a cost of about $95,000, from plans of Mr. D. T. Atwood.

On the s s of Seventy-second St., 300' e of Tenth Ave, Mr. G. J. Hamilton will build five 20' front dwells., from plans of Messrs. Thom & Wilson.

On the n s of Eighty-second St., commencing 100' w of Tenth Ave., 6 three-st'y and basement brick and stone dwells. are to be built for Mr. R. Westbrook Myers, from plans of Mr. Wm. Baker, at a cost of about $66,000.

On the n s of Sixty-ninth St., commencing 80' e of Madison Ave., 5 four-st'y brick, brown-stone and terra-cotta houses, to cost $175,000, are to be built from plans of Messrs. Chas. Buck & Co.

STORE BUILDING. — For J. Smith Rice a store building, 26' x 75', five stories high, is to be erected on the n w corner of Broadway and Howard Sts. from designs of Messrs. A. Zucker & Co.

BUILDING PERMITS. — *Ludlow St., No.* 69, five-st'y brick tenement, with store, tin roof; cost, $18,000; owner, Adolph Eckeberg, 71 Ludlow St.; architect. Wm. Graul.

Second Ave., No. 2363, three-st'y brick tenement with store, tin roof; cost, $5,000; lessee, John Lally, 2361 Second Ave.; architect, J. S. Wightman.

New Ave., n w cor. One Hundred and Fifth St., 6 three-st'y stone and brick dwells., tin roofs; cost, each, $10,000; owner, F. A. Seitz, 315 East Forty-second St.; architect, J. M. Dunn.

Tenth Ave., s w cor. One Hundredth St., five-st'y brick tenement, tin roof: cost, about $20,000; owner, Seth M. Milliken, 990 Madison Ave.; architect, R. Berger.

One Hundred and Forty-first St., n s, 75' w Seventh Ave., 2 two st'y and attic frame dwells., tin roofs; cost, each, $5,000; owner, Malvina Hammerstein, 203 East One Hundred and Fifteenth St.; architect, A. I. Finkle.

One Hundred and Forty-second St., s s, 75' w Seventh Ave., 4 two-st'y and attic frame dwells., tin roofs; cost, each, $5,000; owner, etc., same as last.

St. Nicholas Ave., n e cor. One Hundred and Twenty-sixth St., four-st'y brick and terra-cotta flat, tin and mansard roof; cost, $40,000; owner, Nassau Building Co., 20 Nassau St.; architect, A. I. Finkle.

Mott Ave., w s, 100' s One Hundred and Thirty-eighth St., two-st'y brick stable, shed, office and dwell., gravel roof; cost, $4,500; owners, Wilson, Adams & Co., One Hundred and Thirty-eighth St. and Fourth Ave.; architect, Theo. E. Thomson.

Tenth Ave., e s, 104' 10" n Forty-ninth St., five-st'y brick tenement and store, tin roof; cost, $10,000; owner and architect, same as last.

East Twentieth St., No. 353, four-st'y brick cigar-factory, tin roof; cost, $10,000; owner, John Foster, 203 East Nineteenth St.; architects, Berger & Baylies.

Fortieth St., n s, 150' e Eighth Ave., 2 five-st'y brown-stone front tenements, tin roofs; cost, each, $18,000; owner, Margaret Smith; architects, A. B. Ogden & Son.

Eighth Ave., Nos. 573 *and* 575, five-st'y brick and stone tenement and store, metal roof; cost, $18,000; owner, Gustav Harlem, 669 Eighth Ave.; architect, John B. Snook.

Tenth Ave., n w cor. Forty-seventh St., five-st'y brick tenement and store, tin roof; cost, $18,000; owners, Trustees of the Estate of Henry Astor, 1477 Broadway; architect, John Sexton; builders, Van Dolson & Arnott and James H. Studley.

East Eightieth St., Nos. 4, 6, 8, 10 *and* 12, 5 four-st'y brown-stone front dwells., tin roofs; cost, $145,000; owners, G. N. & N. A. Williams, 337 and 343 East Sixty-eighth St.; architects, Chas. Graham & Son.

East Eighty-first St., Nos. 405, 407, 409 *and* 411, 4 five-st'y brick tenements, tin roofs; cost, total, $52,000; owner, Francis J. Schnugg, 433 East Eighty-sixth St.; architect, Julius Kastner.

Eighty-sixth St., s s, 150' e Fourth Ave., 4 four-st'y brick and stone dwells., tin roofs; owner, Phil. Briender, 1644 Ave. B; architect, John Braudt, 1491 Third Ave.

East One Hundred and Eighteenth St., No. 343, five-st'y brick flat, tin roof; cost, $18,000; owner and builder, Frank E. Dewitt, 25 East One Hundred and Thirty-third St.; architect, R. Rosenstock.

Seventy-second St., s w cor. Lexington Ave., 5 four-st'y brown-stone front dwells., tin roofs; cost, each, $23,000; owners, architects, and contractors, Breen & Nason, 341 East Fifty-ninth St.; mason, Geo. W. Hughes.

Seventy-sixth St., n s, 120' e Madison Ave., four-st'y brick flat, tin roof; cost, $16,000; owner, Thos. A. Martin, Astoria, L. I.; architects, A. B. Ogden & Son.

One Hundred and Fourteenth St., s s, 100' w Third Ave., 2 four-st'y brown-stone front tenements, tin roofs; cost, each, $12,000; owner, Stephen Talbert, 148 East One Hundred and Twenty-third St.; architect, J. H. Valentine.

One Hundred and Twentieth St., n s, 180' w Third Ave., one-st'y brick workshop, gravel roof; cost, $4,000; lessee, David C. Carleton, 208 East One Hundred and Twenty-sixth St.; architect, Chas. Baxter.

Eighth Ave., n w cor. One Hundred and Twenty-third St., 2 five-st'y brick flats and stores, and 3 on *One Hundred and Twenty-third St.*, 2 three-st'y dwells. and one four-st'y dwell., tin roof; cost, $60,000 for stores and $30,000 for dwells.; owner, H. Josephine Wilson, 325 East Fourteenth St.; architect, D. T. Atwood; builder, R. Wilson.

Eighty-second St., n s, 100' e Ninth Ave., 4 four-st'y brown-stone front dwells., tin roofs; cost, each, $18,000; owner, Mrs. Margaret Beeves, 360 West Eighty-third St.; architect and builder, Richard Deeves.

Seventy-fourth St., s e cor. Eleventh Ave., 9 three and four st'y brick and stone dwells., slate and tin roofs; owners and architects, Lamb & Rich, 265 Broadway; builders, Alex. Brown and J. J. Brown.

Eighth Ave., s e cor. One Hundred and Twenty-third St., five-st'y brick apartment-house and store, tin roof; cost, $90,000; owner, H. Josephine Wilson, 325 East Fourteenth St.; architect, D. T. Atwood; builder, R. Wilson.

One Hundred and Twenty-seventh St., n s, 150' w Sixth Ave., 2 five-st'y brick flats and a one-st'y stable, tin roofs; cost, total, $29,000; owner, D. S. Slawson, 355 Lexington Ave. and L. Horton, 222 East Forty-sixth St.; architect, H. L. Heins.

One Hundred and Forty-fifth St., s s, 500' w Boulevard, two-st'y frame dwell., shingle roof; cost, $12,000; owner, Victor Durand, 2015 Ninth Ave.; architect, Geo. M. Walgrove.

One Hundred and Twenty-sixth St., n w cor. Lexington Ave., four-st'y brick flat and store, tin roof; cost, $10,000; owner, Mary A. Davis, 209s Lexington Ave.; architect, R. Rosenstock.

One Hundred and Thirty-third St., s s, 200' e Eighth Ave., 3 four-st'y brick tenements, tin roofs; cost, each, $20,000; owners, F. & C. Pfluger, 77 West Fifty-fifth St. and 244 Sixth Ave.; architect, A. H. Blankenstein.

St. Nicholas Ave., s e cor. One Hundred and Fiftieth St., three-st'y brown-stone front dwell., slate roof; cost, $35,000; owner, John W. Fink, 243 West Fifty-sixth St.; architect, R. Rosenstock; builders, Jacob Vix & Sons and John L. Hamilton.

Ninety-first St., s s, 82' 2" w Fourth Ave., 4 three-st'y brown-stone dwells., tin roofs; cost, each, $15,000; owner, Edward Hilson, 123 East Eightieth St.; architects, Schwarzman & Buchman; builders, List & Lennon.

Lexington Ave., n w cor. Ninety-first St., 4 three-st'y and basement brick and brown-stone dwells., tin roofs; cost, each, $11,000; owners, J. & L. Weber, 1121 Madison Ave.; architect, A. Weber.

Third Ave., s w cor. Ninety-seventh St., 5 five-st'y brown-stone tenements, tin roofs; cost, each, $18,000; owner, James A. Frame, 105 East Seventieth St.; architects, Thom & Wilson.

Fourth Ave., n w cor. Eighty-fourth St., five-st'y brick store and tenement, tin roof; cost, $25,000; owner, James Meehen, 215 East Sixty-first St.; architect, H. J. Hardenbergh.

ALTERATIONS. — *Broadway, No.* 1721, add one st'y, also four-st'y brick extension, tin roof, new front wall, etc.; cost, $18,000; owner, John Downey, 64 East Sixty-fourth St.

East Fourteenth St., Nos. 106 *and* 108, first st'y walls, front and rear alterations and repairs; cost, $4,000; lessee, G. H. Thurber, on premises; owners, Geissenheimer Bros., New York, and J. C. Brown Estate, Providence, R. I.; architect, J. Hoffman.

West Eighteenth St., Nos. 148 *and* 150, interior alterations; cost, $6,000; owner, Hugh O'Neill, 149 West Twentieth St.; architect, Mortimer C. Merritt.

West Eleventh St., No. 269, add one-half st'y, flat tin roof; also four-st'y brick extension, tin roof, interior alterations; cost, $10,000; owner, Fanny Wood, 271 West Eleventh St.; architect, B. J. Schweitjer; builders, H. Andruss and A. C. Hoe & Co.

East Fifty-eighth St., No. 9, four-st'y front and three-st'y on rear brick extension, slate roof; cost, $55,000; owner, H. H. Hollister, 13 East Fifty-seventh St.; architect, B. L. Gilbert; builders, E. D. Gurnsey and E. Smith.

Fifth Ave., s e cor. Fiftieth St., seven-st'y brick extension, L-shaped; cost, $175,000; owner, George Kemp, 720 Fifth Ave.; architect, R. C. Jones.

East Twenty-second St., No. 7, altered for art gallery, roof raised and pierced for skylights, etc.; cost, $225,000; owner, Jas. T. Sutton, 62 West Forty-ninth St., and William Kurtz, 9 East Twenty-third St.; architect, H. E. Ficken.

Washington St., Nos. 446 *to* 470, eight-st'y brick extension, tin roof; cost, $10,000; owner, Estate of Robert Gaston; architect, Thomas R. Jackson.

First Ave., e s, 235' e, from Thirty-ninth to Fortieth St., one-st'y brick extension to boiler-room; cost, $4,500; owner, The Equitable Gas Light Co., 340 Third Ave.; builder, Richard Deeves.

Broadway No. 770, raise attic to full story, also internal alterations, new beams, etc.; cost, $5,000; lessee, C. D. Fredericks, on premises; builder, Jno. B. Franklin.

Madison Ave., Nos. 66 *and* 68, raise roof and extend the seventh story to front of main building; cost, $6,000; owner, Aaron Barnett, 785 Madison Ave.; architects, A. B. Ogden & Son.

West St., n s, No. 85, raise building seven feet, internal alterations, new store front, etc.; cost, $4,000; owner, Chas. Spear, 2032 Fifth Ave.; architects, Thom & Wilson.

West Forty-third St., No. 111, internal alterations, three-st'y brick extension, tin roof; cost, $10,000; owners, Bernhard Thompson and wife, 111 West Forty-third St.; architect, Jas. Stroud.

Second Ave., No. 154, four-st'y and basement brick extension, tin roof; also take out front wall in first story and put in iron girder and posts; cost, $6,000; owner and architects, Julius Kastner, 744 Broadway.

Eighteenth St., n s, 122' w Eighth Ave., three-st'y brick extension, tin roof, and new stairs, etc.; cost, $9,700; owner, Eighteenth-street Methodist Episcopal Church, Edward Berrian, President, 354 West Eighteenth St.; architect, H. S. Bush; builders, McKenzie & McPherson.

Fifth Ave., No. 1308, internal alterations, resetting partitions, etc., rear wall in first story taken out, and an iron girder put in, etc.; cost, $5,000; owner, Isaac Cahn, 1369 Fifth Ave.; architects, Schwarzman & Buchman.

Liberty St., Nos. 33 *and* 35, and *Maiden Lane, Nos.* 48 *and* 50, first-st'y front on Maiden Lane altered for store purposes, upper floors altered for offices, new elevator, etc.; cost, $13,000; lessee, August Heckscher, 95 Liberty St.; architect, John W. Ritch; builders, Henry Andruss and Edward Gridley.

West Twenty-eighth St., No. 423, two-st'y brick extension, tin roof; cost, $3,000; owner, C. S. Fischer, 152 West Fifty-eighth St.; architect, U. B. Tubbs; masons, Sinclair & Wills and J. C. Wessells.

Madison Ave., n e cor. One Hundred and Twenty-ninth St., one-st'y brick vestry-room extension; cost, $3,000; owner, All Saints' Church, One Hundred and Thirtieth St. and Madison Ave.; architects, Renwick, Aspinwall & Russell.

East Fifteenth St., No. 537, repair damage by fire; cost, $3,000; owner, James Muiry, 30 East Eighty-first St.

West Fortieth St., No. 44, extension, iron beams; cost, $3,500; owner, Lillie M. Martin, 50 West Fortieth St.; architects and builders, C. Graham & Sons.

East Forty-seventh St., Nos. 231 *to* 237, and *Second Ave., Nos.* 8[illegible] *and* 889, internal alterations, iron columns and girders, elevator put in; cost, $5,000; owner, Merchants' Storage and Warehouse Co., on premises; architect, E. E. R. Tratman; masons, J. & L. Weber.

East Twenty-first St., Nos. 137 *and* 139, internal alterations, new vaults, etc., general repairs; cost, $10,000; owner, J. R. Conway, 14 Lexington Ave.; builders, T. Joyce & Son.

Twenty-ninth St., s s, 420' e First Ave., altered for electric-lighting station, iron beams; cost, $3,000; owner, U. S. Illuminating Co., 59 Liberty St.; builders, Berton & Nickel.

West Eighty-third St., Nos. 355-357, raised one-st'y and two-st'y brick extension, tin roof; cost, $9,500; owners, B. F. Romaine, Jr., and L. T. Romaine, 507 Madison Ave.; architect, A. Namur; builders, V. J. Hedden & Sons.

Philadelphia.

BUILDING PERMITS. — *Twenty-first St.*, cor. Diamond St., Park Ave. Baptist Church, with Sunday-school attached, 50' x 83', to be built of Trenton stone; Rev. Mr. Ketner, pastor; Messrs. Hazelhurst & Huckel, architects.

Walnut St., No. 1727, four-st'y house, 22' x 100', to be finished in hard wood; J. McDowell, Esq., owner; architects, same as last.

Morris St., e of Swanson St., two-st'y stable, 57' x 144'; Baugh & Sons, owners; Hazelhurst & Huckel, architects.

Tioga St., w of railroad, three-st'y twin house, 18' x 57', with mansard roof; Mr. Clemer, owner; Hazelhurst & Huckel, architects.

Spring Garden St., No. 2120, remodelling back building and new stone front in main building; W. Frederick Snyder, Esq., owner; Hazelhurst & Huckel, architects.

Fifth St., n w cor. Green St., office-building; owner and architects, same as last.

Fifth St., cor. York St., hall and assembly-rooms for the Delaware Club, adjoining present club-house, 100' long; Hazelhurst & Huckel, architects.

Pulaski Ave., near Apsley St., 8 two-st'y dwells., 16' x 53'; Rea & Riley, contractors.

Bonsman St., n of Thirty-fifth St., two-st'y dwell., 17' x 50'; C. C. Linahan, contractor.

Fountain St., e of Tippen St., 2 three-st'y dwells., 20' x 32'; G. B. Righter, contractor.

Cabot St., w of Eighteenth St., two-st'y stable, 16' x 32'; E. W. Morjer, contractor.

South Nineteenth St., No. 224, three-st'y dwell., 22' x 115'; E. Mentz & Son, contractors.

Ninth St., s of Ontario St., morocco-factory, 24' x 110'; B. Walker, contractor.

Aspen St., s of Chestnut St., three-st'y dwell., 20' x 47'; G. McNicholson, contractor.

Chelten Ave., near Hancock St., three-st'y dwell., 23' x 54'; T. Wright & Son, contractors.

South St., cor. Thirty-third St., bath-house, 56' x 124'; J. Bradley, contractor.

Seventy-first St., cor. Greenway Ave., 3 two-st'y dwells., 18' x 54'; John Welsh, contractor.

Church St., e of Nash St., two-st'y dwell., 18' x 43'; M. Hetzel, contractor.

North Twenty-fifth St., No. 1250, two-st'y back building, 16' x 50'; J. C. Morrison, contractor.

Nassau St., No. 2408, two-st'y dwell., 16' x 36'; E. Schmidt, contractor.

Twenty-second St., cor. Lalona St., 2 two-st'y dwells., 16' 8" x 40'; G. Sidebottom, contractor.

Howard St., cor. Thompson St., three-st'y dwell., 18' x 30'; Jos. McNutt, contractor.

Twenty-second St., s of Ellsworth St., 11 two-st'y dwells., 16' x 41'; Robt. Mitchell, contractor.

Twenty-fifth St., above Columbia Ave., 5 three-st'y dwells., 15' x 50'; J. S. Allbright, owner.

Thompson St., cor. York St., foundry, 30' x 65', Wechter & Sons, contractors.

St. Louis.

BUILDING PERMITS. — Sixty permits have been issued since our last report, sixteen of which are for important frame houses. Of the rest those worth $2,500 and over are as follows: —

Habsey C. Ives, two-st'y brick dwell.; cost, $8,000; Eanes & Young, architects; Kerr & Allen, contractors.

E. Schulter, three-st'y brick business building; cost, $5,000; C. F. May, architect; B. Weber & Co., contractors.

St. Louis Public Schools, one-st'y school-room; cost, $5,690; O. Walhelmi, architect; H. R. Becker, contractor.

Mrs. L. Lindhurst, two-st'y double brick tenement; cost, $4,500; Chas. F. May, architect; Henry Dreese, contractor.

Mrs. C. Green, two-st'y double brick dwell.; cost, $3,500; John Waters, contractor.

John P. Tichocheck, two-st'y double brick store and tenement; cost, $6,500; F. Mueller, contractor.

Mrs. H. Loury, two-and-one-half-st'y double dwell.; cost, $7,500; C. C. Helmers & Bro., architects; J. Strimple, contractor.

Mrs. A. Cunningham, two-st'y brick dwell.; cost, $2,900; D. Crigen, contractor.

H. W. Kalterwasser, two-st'y brick dwell.; cost, $3,000; Martell & Johnson, contractors.

Mrs. Griesmeyer, two-st'y brick dwell; cost, $3,000; Hy Meyer, contractor.

THE AMERICAN ARCHITECT AND BUILDING NEWS

VOLUME XVIII

JULY–DECEMBER

1885

TICKNOR & CO. PUBLISHERS.
211 TREMONT ST. BOSTON.

HELIOTYPE

L.S. IPSEN DEL.

ɛAILING CONNECTICUT. — The Connecticut River, given over to ɛr-drivers, has become a canal. Reefs are blasted out. Bulk- e built to turn the current into the central channels. The snows, no longer held back in the spongy mosses of the forests, pring rains, are hurried swiftly down in freshets which destroy in the lower country. The freshets are utilized to bring down ring the timber from thousands of acres, where no pine wood grow again. The summer comes, hot and dry, with low water vers, which were formerly full all the summer from the slow of the dark shades in the upper country. The natural reser- ich thus gave out slowly their reservoirs of water, are gone, he water comes down with a rush after every rain. Manufact- upanies everywhere have found it necessary to make artificial s to take the place of the lost natural reservoirs. Hills that e forest-covered are bleak masses of rock, growing drier year If there was ever an instance of killing the goose that lays gs, it is in this method of treating our northern forests. In of valleys, where water was abundant in former years, the in the ground is now below the reach of ordinary wells. The is toward that condition which in a century or two will com- t to irrigation for ordinary agricultural purposes. —*Dr. W. C. he New York Journal of Commerce.*

DAILY TRAFFIC OVER BROADWAY, NEW YORK. — Whatever hought of Jacob Sharp's Broadway surface-railroad, he has cause of the gathering of some interesting statistics regarding nous amount of traffic in Broadway. Four men were recently at Fulton Street and Broadway to count the vehicles passing Broadway at that point from 7 A. M. to 6 P. M. The total num- 22,308 for the period of eleven hours — about 2,000 an hour, e a minute, or one every two seconds. The largest number kind of vehicles was of single and double trucks, 7,384; the number was two; these were ambulances. There were 3,390 double express wagons. The 2,310 stages and the 1,022 cabs in order of quantity, pedlers' wagons numbering 933, produce 16, rag trucks 375, carriages 354, coal carts 324, and venders' 0. Then there was a drop to hacks, 288, and butcher wagons variety of vehicles was striking, there having been eighty ording to the schedule. Every conceivable article of transfer o be poured into Broadway. The private carriages were v engulfed in the 150 ash-carts; the two ambulances and rals made a melancholy showing amid the seventy-three loads ogs, the sixty-four garbage and the seventy-three dirt carts. beer wagons and the orange pedlers flourished on an equality; and lumber wagons went neck-and-neck; the pie and the ons were half-and-half, which should give the pies sweetness; were l hind by the swill wagons. The mixture presented thin lling. Kerosene, milk, old iron, sawdust, rags, beer, es, oranges, ashes, pie, hogs, tripe, tin, tallow, tea, ndertakers were commingled in a bewildering confusion. is certainly a remarkable thoroughfare. —*New York Tribune.*

OOF DOORS. — The most efficient fire-proof doors are of wood ith tinned iron. The door is made of two thicknesses of nd grooved boards, crossing each other diagonally and thor- iled together. The sheets of tin are bent over at the edges, ocked joints as in a tinned roof; it is important that the well as the sides of the door, be covered, as its resistance to n the fact that the fire cannot burn the wood thus protected posure to the air, nor can it warp it, as is the case with an oor subjected to slight heat. If a fire-proof door is hung on ecial care must be taken to insure their security by fasten- to the door by means of bolts, rather than screws, and con- em to the wall in an equally secure manner. The latches selected with a view to durability, as such a heavy door is apt ructive of weak latches. Where the position of the doorway liding doors, it is preferable to have them on tracks, care en that cleats be placed on the floor each side of the door- s to secure the door at its lower corners when shut. In the torage Warehouse, United States, there are a large number of s in the fire-walls, arranged to close an electric circuit when all shut, and the fact is recorded on the paper dial of the 's clock at certain intervals. Fire-proof doors are frequently to close in advance of a fire by means of the yielding of an ble at 100° Fahr. The track upon which such a door is hung out one foot in eight feet, and the door is kept from closing of a round stick about one inch in diameter, which reaches edge of the door to the opposite side of the door-frame. At le, the stick is cut in two diagonally, and a ferrule made of s of thin copper soldered together longitudinally with the lloy, covers the joint in the stick. When this ferrule is ex- a temperature of 160° Fahr., its yielding causes the ferrule to n, and the stick separates into pieces and allows the door to order that the stick shall not fall in the way of the door, and door may be shut at any time, the stick is connected to the door-frame by small chains near to each end. This simple as designed by Mr. Lewis T. Downes, president of the What utual Insurance Company. Another method of utilizing this lloy to close fire-proof doors and shutters, is by means of a nding around the room, and containing in various places links two pieces of brass soldered together. When the solder melts ws the two pieces of brass to separate, the wire allows the or door to close. Mr. Frederick Grinnell has improved the link by cutting a slot in one of the pieces of brass, and laying bit of wire therein, when they are being soldered together; the owing around this wire presents a resistance in three planes, in the ordinary joint, which may be imperfect and lies in a single oncealed by the sheet brass so as to prevent inspection. For- lid links of fusible alloy were used, but the metal has so little e that it is apt to gradually lengthen, and finally break at opportu ime. — *Engineering.*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents herementioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

319,974. WATER-CLOSET. — Thomas Gunning and James Quigley, New Haven, Conn.
319,984. MIXED PAINT. — Thomas N. Le Ross, Rochester, N. Y.
319,999. SHUTTER-WORKER. — George E. Potter, Palmer, Mass.
320,002. VENTILATOR FOR GAS-MAINS. — James J. Ricketts, Pittsburgh, Pa.
320,022-024. HOISTING-DRUM FOR ELEVATORS. — Peter L. Weimer, Lebanon, Pa.
320,034. WEATHER-STRIP. — Orson E. Woodbury and Henry W. Storck, Madison, Wis.
320,066. FLOOR AND SIDEWALK CONSTRUCTION. — Peter H. Jackson, San Francisco, Cal.
320,072. FIRE-PROOF LATH FOR SLATES. — William H. Lane and Louis Lane, Newark, Ohio.
320,079. BEAM, JOIST, ETC. — Webster W. Martin, Boston, Mass.
320,083. AUTOMATIC HATCHWAY-GUARD. — Walter S. Morton, St. Paul, Minn.
320,097. AUGER. — James Swan, Seymour, Conn.
320,120. WEATHER-STRIP. — Joseph Fisher, Attleborough, Mass.
320,155. MORTISE-LOCK. — Frank W. Mix, New Britain, Conn.
320,161. WINDOW-BEAD FASTENER. — Charles R. Nelson, New York, N. Y.
320,163. WIRE-CLOTH LATHING. — William Orr, Trenton, N. J.
320,169. SAW-HANDLE. — Christopher Richardson, Newark, N. J.
320,175. SASH-FASTENER. — Jos. R. Rusby, Bloomfield, N. J.
320,180. CISTERN AND TANK CLEANER. — Raymond B. Scudder, New Orleans, La.
320,185. FRICTION DRILL-BRACE. — Richard S. Solomon, Cape Town, Cape of Good Hope.
320,195. WINDOW-SASH. — Henry Vale, Chicago, Ill.
320,203. STEAM-RADIATOR. — Juan B. Arci and John Chapman, Brooklyn, N. Y.
320,224. VISE. — George A. Colton, Syracuse, N. Y.
320,235. CONSTRUCTION OF SKYLIGHTS, ETC. — Alphonse Friedrick, Brooklyn, N. Y.
320,251. VENTILATOR. — Reinhold E. Henninges, Cleveland, O.
320,255. HINGE. — David K. Jackman, Poughkeepsie, N. Y.
320,289. WINDOW-SCREEN. — Morris Roberts, Philadelphia, Pa.
320,291. STONE-CUTTING MACHINE. — William L. Saunders, Jersey City, N. J.
320,323. RATCHET-BRACE. — John F. Allen, New York, N. Y.
320,324. GUTTER-BOX OR TROUGH. — Frederick Axt, Franklin, Ind.
320,327. SASH-FASTENER. — John W. Beatty, Erie, Pa.
320,329. DRIVE-SCREW. — Amos Broadnax, Brooklyn, N. Y.
320,353. SASH-FASTENER. — Reinhold E. Henninges, Cleveland, O.
320,357. WRENCH. — Jacob Huber, Toledo, O.
320,359. GRAINING WOOD. — George H. Hulmes, Chartiers, Allegheny County, and William Shope, Millvale, Pa.
320,371. ROCK-DRILLING MACHINE. — Martin Macdermott and William Glover, London, England.
320,373. DEVICE FOR DRIVING SCREWS. — Frank M. Maley, Cincinnati, O.
320,374. SAFETY DEVICE FOR ELEVATORS. — John H. Manning, Hartwell, O.
320,398. DEVICE FOR FLUSHING TANKS, SINKS, ETC. — Andrew Rosewater, Omaha, Neb.
320,409. DECORATING WALL HANGINGS AND OTHER FABRICS. — William Sochefsky, New York, N. Y.
320,411. VAPOR APPARATUS FOR HOT-HOUSES, ETC. — Hermann Steinke, Brooklyn, N. Y., and Max Limprecht, Union Hill, N. J.
320,418. ROOFING-GAUGE. — Amazon W. Brightwell, Owen, Ind.
320,433. TRAP FOR SOIL AND OTHER PIPES. — Samuel S. Hellyer, London, County of Middlesex, England.

SUMMARY OF THE WEEK.

Baltimore.

STORES AND DWELLINGS. — Morris Oppenheim, Esq., is to have built 2 three-st'y brick buildings on Pennsylvania Ave., near Biddle St., on lot 28' x 120', to cost $8,000, from designs by George Archer, architect; John Hoswell & Son, builders.

George Archer, architect, is preparing plans for Edward Ferry, Esq., for a two-st'y and attic frame cottage, 26' 6" x 32', to cost $2,500.

BUILDING PERMITS. — Since our last report thirty-two permits have been granted, the more important of which are the following: —

John Bruno, 2 three-st'y brick buildings, s s Mulberry St., between Pine and Pearl Sts.

G. W. Donahue, 5 two-st'y brick buildings, e s Duncan Alley, s of Monument St.

John Mehagen, 2 two st'y brick buildings, s s Biddle St., s e cor. Proctor Alley.

Aug. Strunz, 2 two-st'y brick buildings, n e cor. Ridgely and Bayard Sts.

T. H. Graham, 2 two-st'y brick buildings, w s Gilmor St., and 2 two-st'y brick buildings, e s Vincent Alley, between Ramsay and McHenry Sts.

R. N. Moore, 5 two-st'y brick buildings, w s Carlton St., between Saratoga and Lexington Sts.

J. A. McGregor, 13 two-st'y brick buildings, e s Payson St., between Ramsay and Christian Sts.

St. Paul Church, three-st'y brick building, s e cor. Cathedral St. and Chapel Alley.

Frederick Burger, 12 two-st'y brick buildings, n s Barney St., between Byrd St. and Riverside Ave.

Wm. Collett, 6 three-st'y brick buildings, w s Bolton St., between Laurens and Robert Sts.

Darby Thompson, three-st'y brick building, n s Chase St., between Charles St. and Maryland Ave.

L. C. Smith, 3 two-st'y brick buildings, n s Barney St., between Hanover St. and Goodman Alley, and 10 two-st'y brick buildings, e s Charles St., between Birkhead and Clement Sts.

Jas. W. Lindall, 8 three-st'y brick buildings, w s Valley St., between Chase and Eager Sts.

Aug. Mencker & Bro., four-st'y brick warehouse, n w cor. Paca St. and Cider Alley.

L. Reitz & Bro., three-st'y brick building, s s Baltimore St., between Poppleton St. and Calendar Alley.

A. Lurman, three-st'y brick building, s w cor. Hillen and Forrest Sts.

Thos. H. Blick, 6 two-st'y brick buildings, w s Aisquith St., n of Point Lane, and 5 two-st'y brick buildings, e s Point Lane, n of Aisquith St.

ALTERATIONS. — Messrs. Deford & Co. are to make alterations to their warehouse, to cost $4,500, from designs by W. F. Weber, architect; Chas. Ogle, builder.

Boston.

BUILDING PERMITS. — *Wood.* — *Princeton St.*, No. 319, dwell., 19' x 28'; owner, Wilbur Goodwin; builder, Isaac Pratt.

George St., near Shirley St., dwell., 21' x 42'; owner and builder, G. A. Clifford.

Rockwell St., 300' from Milton Ave., dwell., 24' x 30'; owner, W. P. Waterman; builder, R. M. Pitman.

Unnamed St., n of Quincy St., near New York & New England R. R., mechanical building, 18' x 50'; owner, Thomas Rice; builder, A. C. Rice.

East Sixth St., No. 559, dwell., 24' x 38'; C. A. Borden, owner; Jacob L. Smith, builder.

Brooklyn.

BUILDING PERMITS. — *Decatur St.*, s s, 125' w Lewis Ave., 4 two st'y brick dwells., tin roofs; cost, each, $5,000; owner, Geo. W. Spear, 258 Grand Ave.; architects, Hall & Newkirk; builder, W. C. Spear.

Fulton St., s s, 300' e Howard Ave., 10 three-st'y brown-stone dwells., gravel roofs; cost, each, $6,000; owner and builder, Thomas Donohue, 103 Stuyvesant Ave.; architect, B. T. Hobbin.

Bushwick Ave., No. 553, e s, 82' 7" s Adams St., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $4,000; owner and builder, Anton Kiesel, 559 Bushwick Ave.; architect, Th. Engelhardt.

Broadway, Nos. 419 *and* 421, n e s, 88' n w Union Ave., rear of lot, 2 two-st'y brick dwells., tin roofs; cost, $5,000; owner, Caroline Broistedt, 378 Broadway; architect, Th. Engelhardt; builders, Geo. Lehman's Sons.

Broadway, Nos. 416 *and* 421, 2 four-st'y brick stores and tenements, tin roofs, iron cornices; cost, $16,000; owner, architect and builder, same as last.

South Portland Ave., No. 181, e s, 500' s Hanson Pl., two st'y brick and brown-stone dwell., with stable, tin roof; cost, $8,000; owner, G. B. Wilson, 21 South Portland Ave.; architect, W. A. Mundell; builder, L. W. Seaman, Jr.

Greene Ave., n w cor. Nostrand Ave., 5 three-st'y brown-stone dwells., tin roofs; cost, each, $10,500; owners, G. H. Benner and L. Zeller, 81 Cedar St., New York; architect, A. Munch.

Fourteenth St., No. 181, s s, 77' 10" w Fourth Ave., two-st'y and basement brick dwell., tin roof; cost, $4,500; owner, Alexander Balmanno, 226 Seventeenth St.; architect, A. J. Staver.

Delmonico Pl., No. 31, e s, 51' 6" s Hopkins St., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,370; owner, Wm. Kolb, Ellery St., cor. Delmonico Pl.; architect, Th. Engelhardt; builders, J. Rueger and J. Fuchs.

Hart St., n s, 132' w Marcy Ave., 6 two-and-a-half-st'y brown-stone dwells., tin roofs; cost, each, $5,000; owner, F. R. Boerum, Nostrand Ave. and Vernon Ave.; architect, I. J. Reynolds; builder, T. E. Greenland.

Berkeley Pl., s s, 359' e Seventh Ave., 3 three-st'y brown-stone dwells., tin roofs; cost, each, $10,000; owner, David N. Boody, 206 Berkeley Pl.; architect and builder, E. B. Sturges.

Varet St., s s, 150' e Bushwick Ave., three-st'y frame tenement, tin roof; cost, $4,000; owner, C. Becker, 146 Varet St.; architect, F. Holmberg; builder, J. Rueger.

Fulton St., s s, 100' w Rockaway Ave., 10 three-st'y brown-stone stores and dwells., gravel roofs; cost, each, $5,000; owner, George R. Brown, 34 South Portland Ave.; builder, L. E. Brown.

Evergreen Ave., No. 157, e s, three-st'y frame dwell., tin roof; cost, $4,200; owner, M. Limmerothe, 186 Ellery St.; architect, H. Vollweiler.

Fairfax St., n s, 200' e Broadway, three-st'y frame (brick-filled) hospital, tin roof; cost, $3,200; owner, German Evangelical Aid Society, on premises; architect, H. Vollweiler; builders, Mr. Dauken and D. Kreuder.

Bergen St., n s, 225' e Smith St., four-st'y brick flat, tin roof; cost, $11,500; owner, John Newman, Court St. and Bergen St.; architect, R. Dixon.

Sullivan St., No. 29, four st'y brick tenement, tin roof; cost, $5,800; owner, Henry Spawer, 30 Wolcott St.; architect, L. Cook.

Ninth Ave., s e cor. Braxton St., three-st'y brick school, tin roof; cost, $16,000; owner, Thomas S. O'Reilly, Ninth Ave., cor. Braxton St.; architects, Parfitt Bros.

Hall St., n s, 200' w Stone Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $1,200; owner, John Gardner, 2084 Broadway; architect, J. Puring; builder, M. Horn.

Downing St., w s, 150' n Putnam Ave., three-st'y brick dwell., tin roof; cost, $4,500; owner, J. H. Watson, 421 Grand Ave.; architect, A. Hill.

Berkeley Pl., n s, 160' w Seventh Ave., 3 three-st'y brick dwells., tin roofs; cost, $7,000; owner, John Monds, 92 Park Pl.; architect and contractor, J. J. Gillegan; mason, J. Monas.

Clay St., s s, 125' w Oakland St., three-st'y frame tenement, gravel roof; cost, $3,900; owner, Patrick Reilley, Clay St.; architects and builders, Randall & Miller.

Bedford Ave., e s, 67' 3" s Flushing Ave., three-st'y frame dwell., tin roof; cost, $3,900; owner, Margaret Colgan, 231 Bedford Ave.; architect, S. Harbison; builder, C. Collins.

Greene Ave., n w cor. Washington Ave., 3 four-st'y brick and brown-stone dwells., tin and slate roofs; cost, $52,500; owner, Geo. Harvey, 149 Greene Ave.; architect, Mercein Thomas; builders, C. Cameron and M. C. Rush.

Hamburg St., s w cor. Magnolia St., three-st'y frame store and tenement; cost, $6,600; owner, Lorenz Debold, 18 Wall St.; architect and mason, E. Loersch; contractor, M. Metzen.

ALTERATIONS. — *Pierrepont St.*, No. 118, interior alterations; cost, $4,000; owner, D. A. Houghtaling, 321 Clinton Ave.; architects, Eastman & Davis; builder, F. D. Norris.

Myrtle Ave., Nos. 680 *and* 682, three-st'y brick extension, tin roof, iron cornice; cost, $3,050; owner, etc., J. Clarke, 675 Willoughby Ave.

Chicago.

BUILDING PERMITS. — W. S. Hinkley, 4 cottages, Oakley Ave.; cost, $2,500.

S. W. Scoville, five-st'y factory, 94 to 102 West Washington St.; cost, $30,000; architects, Adler & Sullivan; builder, A. B. Cook.

Hewitt Manufacturing Co., factory, 213 Ontario St.; cost, $2,500.

V. Holacek, three-st'y flats, 719 Loomis St.; cost, $15,000.

F. Knaswicka, 2 three-st'y stores and dwells., 721 to 723 Eighteenth St.; cost, $12,000.

R. A. Bell, two-st'y dwell., 583 North Oakley St.; cost, $3,200.

A. Lowinski & Miketynski, four-st'y factory, 212 to 216 North Green St.; cost, $8,000.

D. Hays, four-st'y store and dwell., 103 West Adams St.; cost, $12,000.

J. A. Yale, 9 three-st'y stores and dwells., 168 to 184 West Van Buren St.; cost, $60,000.

M. Harris, addition, 123 Desplaines St.; cost, $3,000.

McKeever Bros., 4 two-st'y dwells.; cost, $16,000; architects, Thomas & Rogers.

J. T. Lund, three-st'y dwell., 213 Townsend St.; cost, $5,000; architects, Ostling & Bourgeois.

Mrs. H. Lewis, two-st'y dwell., 31 West Indiana St.; cost, $2,500.

J. L. Cochrane, 5 three-st'y dwells., 470 to 478 Elm St.; cost, $40,000; architect, L. J. Halberg.

D. F. Crilly, 12 two st'y dwells., North Park Ave.; cost, $25,000.

R. L. Martin, 6 three-st'y dwells., 92 to 102 Arlington St.; cost, $12,000.

R. L. Martin, two-st'y storehouse rear, 92 to 102 Arlington St.; cost, $10,000.

J. Berndt, two-st'y flats, 93 Gay St.; cost, $2,500.

W. H. St. Clair, five-st'y store, 171 to 173 West Madison St.; cost, $50,000; architects, Burnham & Root.

G. W. Williams, two-st'y flats, 62 Evergreen Pl.; cost, $3,700.

C. J. Furst, 2 two-st'y dwells., 207 to 209 Wood St.; cost, $4,000.

C. C. Housel, 3 two-st'y dwells., 427 to 431 Centre Ave.; cost, $15,000; architect, D. Biggot.

W. F. Hickox, 3 two-st'y dwells., 897 to 899 Monroe St.; cost, $18,000; architect, W. Thomas.

H. N. Hanson, two-st'y dwell., 895 Monroe St.; cost, $10,000; architect, W. Thomas.

Mrs. S. Troy, two-st'y dwell., 49 Maplewood Ave.; cost, $2,700.

Chicago City Railroad Co., additional story, 3052 to 3060 Archer Ave.; cost, $20,000.

J. A. Heath, 2 two-st'y dwells., 3128 to 3130 Prairie Ave.; cost, $13,000.

W. Sallevasser, two-st'y dwell., 100 Fremont St.; cost, $2,500.

W. D. Price, additional story, 117 to 123 State St.; cost, $10,000.

A. Stanford, three-st'y dwell., 101 North Centre Ave.; cost, $6,000.

C. R. Hickok, 2 two-st'y dwells., 3130 to 3132 Vernon Ave.; cost, $6,000.

J. P. McAssey, 2 two-st'y dwells., 450 West Taylor St.; cost, $3,000.

J. L. Campbell, 7 two-st'y dwells., Seeley Ave.; cost, $28,000.

Cincinnati.

BUILDING PERMITS. — Mrs. C. C. Brown, four-st'y brick building, Eighth and Cutter Sts.; cost, $6,500.

E. S. Freeman, three-and-one-half-st'y building, Gest St.; cost, $4,000.

Aug. Roy, two-and-one-half-st'y building, Findlay and Dalton Sts.; cost, $3,000.

Jacob Van Hart, two-st'y building, Melancthon and Central Ave.; cost, $2,200.

S. Richards, two-st'y building, Lincoln and Gilbert Sts.; cost, $16,000; J. H. Mach, builder.

International Panorama Co., two-st'y iron-clad, Seventh and Elm Sts.; cost, $25,000.

Mrs. Bitscher, Findlay and Linn Sts.; cost, $3,000.

Dr. Kaheler, two-st'y frame building, Baltimore Pike; cost, $2,100.

H. Lackman, two-and one-half-st'y building, Coleman Ave., near Lafayette; cost, $3,500.

Wm. McCamon, Jr., five-st'y building, Race and Elm Sts.; cost, $20,000.

Henry Bosch & Bro. (Henry Thiely), two-st'y frame building, Fargus and Wayne Sts.; cost, $2,500.

Henry Bosch, two-and-one-half-st'y building Vine, and St. Clair Sts.; cost, $2,500.

St. George's Church, addition to two-st'y brick building, Calhoun and Madison Sts.; cost, $5,450.

Geo. Riemeschneider, Highland and Auburn Ave.; cost, $2,200.

Next morning they returned, accompanied by nd the Sub-Prefect of the district. The corpse e coffin; the ring, in which there was a precious he finger; the richly embroidered silk gloves . The agraffe which fastened the cope on the chly mounted with precious stones, was cut f the cope which were of gorgeous workmanship were cut away. The remains were then t off to the municipal buildings the articles ere, according to the Sindico, to be placed in The *Stampa* observes that if poor man's the law would give some month's imprison- Will not the same measure be given to the dis- which is one of Italy's historic monuments ! wspapers of the peninsula to publish the out- ion to demand the punishment of the princi- s.

— Mr. O. V. Morgan, who recently paid a visit s of praise of the great public kitchen, which iana. Established in 1857, this kitchen had equered existence; however, for years past essful institution. The capital employed in £10,000. Attached to the kitchen and eat- meat, bread, dairy produce, etc., are on sale Upwards of 3,000 meals are served daily. or some farinaceous dish (porridge being a and one sweet, all of good quality, and nicely a meal is 47 ore, equal to 6*d*. By reducing responding saving is effected. A somewhat ose who take the food away, instead of eat- The establishment is directed by a Board, , selected by the shareholders, and act with- ages the general manager, who has charge superintends the daily business. There are ok-keeper, a head cook with three assistants, rks, three ladies in the shop, four waiters, loor servant, and twenty-nine women, occu- of the dinner in plates, its delivery, and other erformed in double cast-iron boilers of 600 e circumstances, direct or indirect steam is oilers. The roasting is done on a kitchen- way. The steam necessary to the kitchen, the dining-hall, and the working of the en- f forced meat, is supplied by a steam-engine nnual consumption of the following articles 650 s.; bacon, 40,000 lbs.; butter, 20,- lb s, 45,000 lbs.; rice, 11,000 lbs.; raw s , 22,000 lbs.; refined sugar, 20,000 ices for flavoring, 33,000 quarts; potatoes, s of greens, 80,000 lbs.; bread, 130,000 lbs.; 10,000 quarts; and spices, 2,200 lbs. — *Sani-*

VATED ROAD. — They now have a charter company and build one mile of their road When that is done, if the Railroad Commis- l as practical and safe, the company will be pon Boston streets, provided the City Gov- The work they have just begun is the build- their peculiar new railroad, also an engine se to use. The new railroad is somewhat a technical knowledge of engineering and its chief characteristic is a single rail ele- t a height of fourteen feet from the ground. perhaps a more correct description would e the other at a distance of four feet, and ces. The supports or posts are placed at , and are almost exactly like those of , except that the lower end is firmly encased a solid bed of concrete several feet under- of the cars is placed astride the rail, like a horse, and each truck frame has six wheels. ese wheels run upon the lower part of the outward from the point of contact at an The other two wheels are placed horizon- with the top of the rail, along the sides of ther side. By means of hydraulic pressure, ey are made to clasp the rail tightly, and by forward or backward motion is secured. ndent axis of its own, and, by a most inge- e car, the opposing wheels are always kept is, regardless of curves. Some of the curves grades may be overcome by means of the frames of the locomotive are like those of g rods attached to the horizontal wheels The pressure of the wheels upon the rails impossible for them to leave it, but in case could not leave the track. It would simply ul slide along, resting upon the top of the ng as a substantial brace upon both sides. ern, cylindrical in form, and built of iron. In r this unique rail, but the schemes is certainly n of engineers and other scientific men wou- has yet risen to prove that the principles on ound. — *See to the Minneapolis Tribune.*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

320,472. LATCH AND LOCK COMBINED. — William Hill, Mount Vernon, Ill.
320,474. FIRE-ESCAPE. — Marshall B. Ingersoll, Regina, Manitoba, Can.
320,480. REGISTERING FAUCET. — Louis C. Lane, Cincinnati, O.
320,485. LEVER-LATCH. — John J. Maas, Albany, N. Y.
320,506. PLUMB-LEVEL. — Charles Schofield, Minneapolis, Minn.
320,508. ROOFING. — Charles H. Starr, Logansport, Ind.
320,518. WOOD ORNAMENTATION. — Gardner A. Watkins, Gardner, Mass.
320,521. LOCK. — Charles E. Whittlesey, New Haven, Conn.
320,527. DOOR-CHECK. — Wilhelm Bahre, Berlin, Germany.
320,537. SPIRIT-LEVEL. — Bozwell B. Butt, Newark, N. J.
320,551. SASH-LOCK. — Horace E. Gilmore, Spring Hill, Kans.
320,555. CHALK-LINE REEL. — Henry F. Haslam, New Britain, Conn.
320,567. TILE-SETTING. — Andrew H. Lord, Chicago, Ill.
320,589. APPARATUS FOR HOLDING SHINGLES FOR PAINTING. — William W. Robinson, Ripon, Wis.
320,602. KNOB ATTACHMENT. — Garret Van Winkle, North Plainfield, N. J.
320,608. CHIMNEY TOP AND VENTILATOR. — William P. Wilson, Trenton, N. J.
320,616. APPARATUS FOR UNITING WOOD FOR FLOOR COVERINGS. — Henry Beisheim, Rochester, N. Y.
320,625. CISTERN FOR WATER-CLOSETS. — Peter Carney, New York, N. Y.
320,648. PORTABLE HEATING APPARATUS. — Chas. D. P. Gibson, Jersey City, N. J.
320,660. BURGLAR-ALARM. — Alexander Jacobi, St. Clair, Mich.
320,661. GAS-TIGHT EXPANSION-JOINT. — Deming Jarves, Detroit, Mich.
320,664. FIRE-ESCAPE. — Ogden G. Lee, Poughkeepsie, N. Y.
320,667. DRAIN AND DRAIN-TILE. — Francis M. Marquis, Zanesfield, O.
320,674. TRESTLE. — George W. Murray, Mount Crawford, Va.
320,675. SASH-LOCK. — Thomas R. Nichols, Lynn, Mass.
320,685. ELECTRIC BELL. — Henry B. Porter, Chicago, Ill.
320,686. BURGLAR-ALARM. — Morris Pratt, Milton Junction, Wis.
320,696. APPARATUS FOR UNITING WOOD FOR FLOOR COVERINGS, ETC. — Charles E. Rider, Rochester, N. Y.

SUMMARY OF THE WEEK.

Baltimore.

BUILDING PERMITS. — Since our last report twenty-two permits have been granted, the more important of which are the following: —

R. Armiger & Son, four-st'y brick factory, 33' x 70', w s Greenmount Ave., bet. Preston and Hoffman Sts., and four-st'y stone building, 50' x 75', in rear.

A. W. Heath, three-st'y brick building, n s Preston St., bet. Valley and Holland Sts.

Seth A. Marchant, 26 two-st'y brick buildings, e s Chester St., bet. Jefferson and McElderry Sts., and 4 two-st'y brick buildings, s s McElderry St., bet. Chester St. and Duncan Alley.

Peter Bremer, 12 two-st'y brick buildings, w s Payson St., com. s w cor. McHenry St; 7 two-st'y brick buildings, s s McHenry St., w of Payson St.; and 7 two-st'y brick buildings, n s Wilhelm St., w of Payson St.

J. S. Mogarity, 4 three-st'y brick buildings, s s Preston St., e of Bond St.

Jos. H. Riemar, 2 three-st'y brick buildings, s s Camel Alley, e of Linden Ave.

Jas. B. McKee, three-st'y brick building, w s Eutaw St., s of Hill Ave.

M. E. Iceman, 2 two-st'y brick buildings, w s Pennsylvania Ave., s of Baker St.

John O. Richter, 11 two-st'y brick buildings, w s Fulton Ave, bet. Lorman St. and Fulton Terrace.

John Schonewolf, etc., 4 two-st'y brick buildings, w s William St., s of Gittings St.

Thos. Hitaffer, 6 three-st'y brick buildings, w s Fulton Ave., com. s w cor. Lorman St.

Jewish Hospital, three-st'y brick addition to hospital, n w cor. Monument and Ann Sts.

A. Strauss & Bro., three-st'y brick building, n w cor. Canton Ave. and Duncan Alley.

Boston.

BUILDING PERMITS. — *Wood.* — *Station St.*, on Line Boston & Providence R. R., storage, 25' x 40'; owner, Boston & Providence R. R.; builder, G. F. Folsom.

Savin St., near Warren St., dwell., 23' x 39'; owner, Leonard Wilson; builders, Wilson Bros.

Gibson St., near Adams St., mechanical building, 16' x 22'; owner, F. L. Nichols; builder, J. R. Atwood.

Leeds St., near Savin Hill Ave., dwell., 16' x 39'; owner, Mrs. S. M. McNeil; builder, John Bass.

Elm St., near Ford St., stable, 20' x 20'; owner, John Booth; builder, G. W. Adams.

Bennington St., near Moore St., stable, 11' x 14', owner and builder, C. E. Randall.

North Beacon St., near Everett St., shed, 30' x 40'; owner and builder, G. W. Wild.

Howard Ave., near Dudley St., dwell., 20' x 40'; owner, W. Elliott; builder, C. A. Jefferson.

Dudley St., near Centre St., storage, 18' x 24'; owner and builder, John Hill.

Codman St., near Hutchinson St., storage, 20' x 70'; owner, City of Boston; builder, Paving Department.

Sullivan St., near Florence St., mechanical-building, 20' x 20' and 30'; owner and builder, J. Richardson.

M St., *No.* 172, dwell., 23' x 38'; stable, 33' x 40' 6"; owner, Fred Louis; builder, D. A. Berry.

Dennis St., near Moreland St., dwell., 17' x 45'; owner and builder, B. F. Bean.

Brooklyn.

BUILDING PERMITS. — *Monroe St.*, s s, 25' e Marcy Ave., 5 three-st'y Connecticut brown-stone dwells., tin roof; cost, $29,000; owner, John Hooper, 63 Centre St., New York; architects, Wm. Field & Son.; builder, Paul C. Grening.

Broadway, w s, abt. 25' s Sumner Ave., two-st'y frame dwell., tin roof; cost, $4,250; owner, Elizabeth Furman, Broadway, cor. Sumner Ave.; architect and builder, C. A. Le Quesne.

Java St., n s, 25' e West St., 3 three-st'y frame (brick-filled) tenements, gravel roofs; cost, $13,400; owner, Mrs. Mary A. Bliss, 207 Washington Park; architect, F. Weber; builders, Post & Walker.

Broadway, *No.* 303, n s, bet. Ninth and Tenth Sts., four-st'y brick store and tenement, tin roof; cost, $8,000; owner, Wm. F. Garrison, 96 Bedford Ave.; architect and mason, Jas. Rodwell; contractors, C. L. Johnson's Sons.

Atlantic Ave., n s, 75' w Nostrand Ave., two-st'y brick stable, tin roof; cost, $4,000; owner, John J. Drake, 397 Fulton St.; architect, J. H. Van Winkle.

Third St., n w cor. North Eighth St., four-st'y brick store and tenement, tin roof, iron cornice; cost, $11,000; owner, Fr. Mesloh, 320 Third St.; architect, A. Herbert; builder, V. Bruchhauser.

Chauncey St., *Nos.* 203-203½, n s, 275' e Patchen Ave., 2 two-st'y and basement dwells., tin roofs; cost, each, $2,500; owner, John Bryan, 31 Willoughby St.; builder, J. Dhuy.

Carlton Ave., w s, 257' 4" n Atlantic Ave., four-st'y brick dwell., tin roof; cost, abt. $12,000; owner, Jas. L. Dougherty, 493 Fulton St.; architect, C. E. Hebberd.

Quincy St., n s, 100' w Patchen Ave., 5 two-st'y brick dwells., tin roofs; cost, each, $4,500; H. Batterman, Reid Ave., cor. Quincy St.; architect and builder, Thos. Miller.

Huron St., *No.* 131, being 455' e Franklin St., four-st'y frame tenement, gravel roof; cost, $5,800; owner, H. J. Babin, 223 Hewes St.; architect, A. Van Dien; builders, Post & Walker.

Elm St., *No.* 145, n s, 250' 4" w Central Ave., three-st'y frame dwell., tin roof; cost, $4,000; owner, Robert B. Miller, 128 Jefferson St.; architect, Thos. Engelhardt; builder, T. D. Eadie and Casper Wahler & Son.

Nineteenth St., s s, 225' w Ninth Ave., one-st'y brick building, tin roof; cost, $6,000; owner, Wm. M. Brasher, Eighth Ave., cor. Eighteenth St.; architect, — Griffin; builder, Wm. Corrigan.

Humboldt St., e s, from Moore to Varet St., 8 three-st'y frame (brick-filled) stores and tenements, tin roofs; cost, each, $3,300; owner and builder, Charles Engert, 182 Montrose Ave.; architect, F. J. Berlenbach, Jr.

St. James Pl., n w cor. Atlantic Ave., four-st'y brick tenement, tin roof; cost, $7,000; owner, Wm. Moses, 281 St. James Pl.; architect, A. Hill; builder, J. Stafford.

Greenpoint Ave., n s, 100' w Manhattan Ave., 5 four-st'y brick stores and tenements, tin or gravel roofs; cost, each, $6,000; owners, architects and builders, Randall & Miller, 493 Fourth St., of 4 houses, and Thomas McHugh, owner of 1 building; mason, Van Riper.

Fort Green Pl., s w cor. Lafayette Ave., four-st'y brick dwell., gravel roof; cost, $8,000; owner, Thos. Clark, 685 Fulton St.; architect, J. Mumford; builders, T. B. Rutan and W. S. Wright.

Third Ave., n e cor. Carroll St., three-st'y brick store and dwell., tin roof; cost, $6,000; owner, Michael Maher, 491 Carroll St.; architect, F. Ryan; builder, J. R. Anderson.

Van Brunt St., e s, 25' Dikeman St., four-st'y brick store and tenement, tin roof, wooden cornice; cost, $7,995; owner, J. N. Brandenborg, 235 Van Brunt St.; architect, P. H. Gilvarry; builders, J. Kolle and C. M. Detlefsen.

ALTERATIONS. — *Fulton St.*, *Nos.* 95 *and* 97, add 3' to height; also, three-st'y brick extension, tin roof; wrought-iron beams, etc.; cost, $5,800; owner, Helene Kiesel, 85 Fulton St.; builder, J. G. Porter.

Sixth St., s s, 175' w Second Ave., two-st'y frame extension, gravel roof; cost, $4,000; owners, Arndis & Gecour, foot Sixth St. Gowanus Canal; architect, C. Arndis; builder, O. Christmann.

Marshall St., on water front, bet. Hudson Ave. and Gold St., one-st'y brick extension, gravel roof; cost, $6,225; owners, Atlantic White Lead Co.; architect and contractor, W. N. Rae; mason, P. Castner.

Chicago.

BUILDING PERMITS. — C. Heeper, 2 two-st'y dwells., 14 Warren Ave.; cost, $3,500.

J. Freund, two-st'y addition, 14 Warren Ave.; cost, $3,500.

Mrs. M. Smeath, two-st'y dwell., 38 Astor St.; cost, $5,000; architects, Frohman & Jebson.

Mrs. D. Evers, three-st'y store and flats, 298 Sedgwick St.; cost, $4,000.

A. Pearson, stores and dwells., Oakley St.; cost, $8,000.

J. A. McLennen, five-st'y stores and flats, Thirty-first St.; cost, $100,000; architect, J. A. McLennen.

E. Weise, three-st'y store and flats, 849 Clybourne Ave.; cost, $4,500.

F. & M. Kelly, two-st'y flats, 249 Loomis St.; cost, $4,000.

H. Wimhordt & Co., two-st'y storehouse, 402 to 404 North Wood St.; cost, $4,000.

B. S. Theodorson, three-st'y flats, 19 Milton Ave.; cost, $4,000; architect, B. S. Theodorson.

J. Mergen, three-st'y store and flats, 1158 Milwaukee Ave.; cost, $8,000; architect, H. Cley.

Cummins & Howard, addition to hotel; Wabash Ave. and Adams St.; cost, $75,000; architects, Treat & Foltz.

R. Sibley, 2 two-st'y warehouses, 2 to 18 North Clark St.; cost, $10,000.

E. Snowhook & Co., three-st'y store and flats, 165 Chicago Ave.; cost, $4,000.

V. P. Smith, two-st'y dwell., 3238 to 3246 Cottage Grove Ave.; cost, $9,000.

W. L. Pottter, two-st'y dwell., 478 Belden Ave.; cost, $10,000.

E. Hudson, two-st'y dwell., 3201 to 3203 Wabash Ave.; cost, $13,000.

A. E. Jamme, three-st'y store and dwell., 204 to 208 Milwaukee Ave.; cost, $6,000.

Mrs. L. Coleman, three-st'y dwell., Prairie Ave.; cost, $35,000; architects, Cobb & Frost.

H. Redick, two-st'y flats, 63 Siegel St.; cost, $2,500.

H. Poepeke, one-st'y engine-house; cost, $5,000.

W. Mohlmann, two-st'y flats, 246 West Division St.; cost, $4,000.

Chicago Gas Light & Coke Co., two-st'y purifying house, 190-208 Hawthorne Ave.; cost, $20,000; builder, R. E. Mass.

G. W. Burchard, 3 two-st'y dwells., 3362-3366 Calumet Ave.; cost, $13,500; architect, J. Austin.

H. Kielman, three-st'y flats, 159 Larrabee St.; cost, $6,000; architect, J. Bruhnf.

E. P. Roberts, three-st'y flats, 119 Lincoln St.; cost, $4,000; architect, W. H. Drake.

L. H. Eames, two-st'y dwell., 531 State St.; cost, $12,000; architect, L. G. Halberg.

C. L. Jenks, one-st'y addition, cor. Taylor and Clark Sts.; cost, $4,500; architect, Spyer.

S. G. DeLeasy, two-st'y dwell., 2212 Dearborn St.; cost, $5,300.

J. Morris, 5 two-st'y dwells., Groveland Park Ave.; cost, $15,000; architects, Wheelock & Clay.

H. M. Dickey, two st'y dwell., Groveland Park Ave.; cost, $3,500.

P. Nelson, 2 two-st'y stores and dwells., 293-295 West Erie St.; cost, $7,000.

E. L. Bonney, two-st'y dwell., 1103 Genesee St.; cost, $3,300.

J. H. Gault, two-st'y dwell., 493 Congress St.; cost, $5,000; architect, L. B. Dixon.

J. C. Thor, two-st'y dwell., 178-180 West Ohio St.; cost, $4,000.

F. W. Wolf, two-st'y office, 569 North Halsted St.; cost, $5,000; architect, F. W. Wolf.

Cincinnati.

BUILDING PERMITS. — Y. A. Sefel, 3 two-st'y brick buildings, Addison and Spring Grove; cost, $6,000.

A. Schindler, three-st'y brick building, Poplar St. and Western Ave.; cost, $5,000.

Rebecca Deilkman, three-st'y brick building, Wade and Greene Sts.; cost, $4,900.

McMara & Conner, three-st'y frame building, Halstead and Eliza Sts.; cost, $7,000.

Aug. Kennel, three-st'y brick building, cost, $5,000.

M. S. Glenn, two-and-one-half-st'y brick building, 460 West Third St.; cost, $3,500.

Total, $31,400.
Repairs, $6,610.
Total to date, $1,322,720.
Total permits to date, 599.

Kansas City, Mo.

BUILDING PERMITS. — Dr. S. F. Campbell, double brick house on Grove St.; cost, $5,000.

W. P. Johnson, brick business block in Perry Pl.; cost, $10,000.

R. G. Estelle, 7 brick business stores and dwells. on Fifteenth St., near Charlotte St.; cost, $23,000.

A. G. Redenbaugh, 4 frame houses, cor. Seventeenth St. and Tracy Ave.; cost, $6,000.

George Sheidley, brick and cut-stone business block, four-st'y, at 808 Walnut St.; cost, $15,500.

Thomas E. Gillespie, double brick house, three-st'y, on Central St.; cost, 10,000.

Minneapolis, Minn.

BUILDING PERMITS. — H. Rushford, two-st'y brick veneer dwell., Buchanan St. cor. Twenty-fourth St., n e; cost, $3,000.

Swan Peterson, two-st'y brick store-building and flat, Twentieth St., bet. Fifteenth and Sixteenth Aves., s; cost, $3,500.

C. E. Gates, boiler-and-engine house, Grant St., bet. Willow St. and Spruce Pl.; cost, $3,500.

Cargill & Bagley, elevator-building, cor. Twenty-ninth St. and Eleventh Ave., s; cost, $25,000.

Miner Ball, five-st'y brick block, n e cor. Third St. and Ninth Ave., s; cost, $30,000.

George B. Shepherd, two-st'y frame dwell., e cor. First Ave. and East St.; cost, $10,000.

Martin Keller, two-st'y frame dwell. and barn, Western Ave., bet. Fourteenth and Sixteenth Aves., n; cost, $5,800.

New York.

There is hardly any estimating now being done, but there continues to be great activity amongst the speculators.

FACTORY. — A five-st'y brick factory, 50' x 100', and a tenement, 27' x 80', will be built on the s e cor. of Avenue A. and Eightieth St., for Mr. G. P. Lies, from plans of Messrs. Schwarzmann & Buchman.

HOUSES. — Mr. Terence Kiesman will build 4 four-st'y first-class houses, 18' 9" front, on the n s of Eighty-fourth St., 100' w of Eighth Ave., to cost about $70,000.

On the s w corner of Sixth Ave. and One Hundred and Sixteenth St., 12 four-st'y and basement dwells., 20' front, are to be built for Mr. Jacob D. Butler, at

is the most important point of all, it is sup- oundation into which the lightning-rod is sunk hown by the galvanometer. Although it is es through the foundation and buries itself in e perfect arrangements could, it is believed, ately called upon to make a report on this od, recommended additional tips on metallic the monument, and these contrivances have s say that this will only increase the danger, but theories, but they come from a source deration.—*Boston Transcript.*

QUID AND SOLID FUELS. — At the last meeting Philadelphia, the secretary presented, for Mr. upon the Relative Costs of Fluid and Solid relative advantages in economy of labor in bulk, ease of manipulation of fire, perfec- eanliness, the principal substances, experi- ed.

n as to the compositions of different fuels, tive capacities, efficiencies in furnace, prices or $1.00 and lbs. of water evaporated from s localities. The paper concludes with the he author says: "These figures are very , but there may be circumstances in which rom their use will exceed the additional cost. parison without considering particular cases, , petroleum would probably be more econo- fire, coal holds its own."

Anthracite.	Bituminous.	Petroleum.	Coal Gas.	Generator Gas.	Water Gas.
1.00	1.08	1.71	14.92	22.90	8.70
1.00	.71	1.50	8.72	18.30	7.00
1.00	.59	1.56	17.90	15.30	5.80
1.00	.64	1.50	8.75	9.40	3.50
1.00	.61	2.05	7.16	17.70	6.30
1.00	.90	1.21			
1.00	.34	1.39			
1.00	.44	1.03			

ATED STEAM. — The Philadelphia Under- cent' nployed Professor Gibson to pros- ith s ipe coverings claimed to be fire- xper. s is published in a circular, part w: —

WITH STEAM-PIPE COVERINGS.

	Results.
520°	Began to char at 350° F., as was shown by the smoke issuing from it, and continued so until end of experiment. On subsequent examination, the first layer of felt was found completely charred through. No indication of flaming during the test.
520°	Results precisely same as above.
520°	Began to char at 350° F., and continued to do so until at the close of the test. This broke out into a flame, the covering having been almost entirely consumed.
620°	Began to show signs of charring at 400° F. On being removed and examined, the lining and layer of cotton-seed fibre was found charred about one-half through.
720°	Showed signs of charring only when the temperature attained 600° F. On examination, was found charred nearly one-half through.
720°	No marked signs of burning, but on examination was found to be somewhat charred on the inner surface.
720°	Smoked slightly from the first; was found to be completely charred about one-half through the layer of wool.
780°	Began to smoke at 350° F., and continued to the end of trial; was found charred one-half through.
780°	Began to char at about 350° F. The inner layers next to the pipe were completely destroyed; outer left intact.
880°	Began to smoke at 250° F., charring one-eighth to three-sixteenths inch deep in one and one-half hours' time. On examination, the wood was found completely destroyed, perfect charcoal resulting.
880°	Began to smoke at 290° F. At the close of experiment, the charred part did not differ materially in depth from the piece given above. On the edges, the charcoal seemed to have been formed a little deeper than the middle. This was the case especially where the pieces joined together. At the temperature attained, there was no indication of blazing, but this is believed to be only a question of time.
980°	Began to smoke at 250° F. From the beginning to the end of the experiment, this smoked heavily, and on examination, over three-fourths of the chaff was found completely reduced to ashes, although no blazing to[illegible]ce during the trial.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

320,697. WOOD FLOORING. — Chas. E. Rider, Rochester, N. Y.

320,698. WOOD FLOORING-TILE.—Charles E. Rider, Rochester, N. Y.

320,708. FAUCET.—Peter Schofield, Pomona, N. J.

320,709. AUTOMATIC SEAL-TRAP FOR WASH-BASINS AND WATER-CLOSETS.— Wm. D. Schuyler, New York, N. Y.

320,718. CARPENTER'S SQUARE. —William Steers, Brattleborough, Vt.

320,736. TOOL FOR REMOVING CHIPS FROM MORTISES.—Godfrey Winzenreid, Schulenburg, Tex.

320,757. SHEATHING FOR BUILDINGS.— Denison S. Chesebro, Geddes, N. Y.

320,768. APPARATUS FOR COMBINING HOT-AIR AND STEAM FOR HEATING PURPOSES AND POWER.—Wm. T. Fenton, New York and David S. B. Bennet, Brooklyn, N. Y.

320,786. INSIDE SHUTTER. — Walter A. Holbrook, Milwaukee, Wis.

320,789. SPRING-HINGE.—Daniel W. Housley, Chicago, Ill.

320,790. DOOR-LATCH OR CHECK. — Matthew P. Ismay, Newcastle-upon-Tyne, England.

320,794. CHIMNEY CAP AND VENTILATOR.—Wm. J. Kayser and Charles Kayser, Milwaukee, Wis.

320,796. FASTENING FOR MEETING-RAILS OF SASHES.—Hiram T. King, Rochester, N. Y.

320,797. WRENCH. — Hiram T. King, Rochester, N. Y.

320,808. WINDOW.—Martin S. Millard, Kansas City, and George H. King, Salisbury, Mo.

320,813. RADIATOR-VALVE.—W. Baird Patton, Duluth, Minn.

320,815. CHIMNEY-COWL.—George W. Powers, Jas. H. Jones, James M. Powers, Streator, Ill.

320,822. TILE. — Paul Simons, Darmstadt, Hesse, Germany.

320,845. GUIDE FOR SAWING STAIR-RAILS.—Strong Burnell, Anacortes, Wash.

320,854. FIRE-ESCAPE AND ELEVATOR. — Chas. R. S. Curtis, Quincy, Ill.

320,865. BRICK AND TILE MACHINE.—Frederick E. Frey, Bucyrus, O.

320,866. BEVEL.— Charles Friess and John N. Todd, Minneapolis, Minn.

320,868. BIT-BRACE.—Hiram E. Fuller, New York, N. Y.

320,871. BURGLAR-ALARM. — William Goldspohn, Lodi, Wis.

320,872. PIPE-WRENCH. — James F. Guthrie, Jr., Cambridge, Mass.

320,887. MIXING WHITE LEAD WITH OIL. — Wm. B. Pumifer, St. Louis, Mo.

SUMMARY OF THE WEEK.

Baltimore.

STORE.—Chas. L. Carson, architect, is preparing plans for A. S. Alder, Esq., for a four-st'y brick, stone and terra-cotta building, 22′ x 90′, to be erected cor. Eutaw and Clay Sts., and to cost $20,000.

VILLA. — Mrs. M. A. Mentz is to have built a stone villa on Charles Street, extended, on lot 60′ x 200′, to cost $10,000, from designs by W. Claude Frederic, architect; Geo. A. Foreman, builder.

DWELLINGS.—W. Claude Frederic, architect, has prepared plans for Wm. T. Phillips, Esq., for 4 three-st'y brick and terra-cotta buildings, with basement, on lot 66′ x 150′, w s McCulloh St., near Laurens St., to cost $20,000; Geo. Moke, jr., builder.

W. R. Llewellyn, Esq., is having built, on lot cor. Mary St. and Fulton Ave., 17 two-st'y tenements, of a novel design, from drawings by W. Claude Frederic, architect.

ADDITION. — W. F. Weber, architect, is preparing plans for a six-st'y brick, stone and terra-cotta addition to the "Hoen Building," 25′ x 80′, to be erected on North Street, and to cost $15,000.

BUILDING PERMITS. — Since our last report fifteen permits have been granted, the more important of which are the following: —

Henry Williams, four-st'y brick warehouse, e s Charles St., between Camden and Conway Sts.

J. D. Taylor, 6 two-st'y brick buildings, e s Fremont St., s of Pressman St.

E. W. Haviland, 2 three-st'y brick buildings, n s Vine St., between Pine and Arch Sts.

Chas. Milke, 6 two-st'y brick buildings, e s Chester St., s of Jefferson St.

Mrs. A. Greenwald, 2 two-st'y brick buildings, commencing n e cor. Fairmount Ave. and Duncan Alley.

Richard Henschel, three-st'y brick building, n s Saratoga St., w of Gay St.

Geo. G. Pedrick, 7 three-st'y brick buildings, w s John St., commencing n w cor. Mosher St.; and 4 three-st'y brick buildings, n s Mosher St., between John St. and Foster Alley.

Boston.

BUILDING PERMITS.—*Brick.* — *Tremont St., Nos.* 383 *and* 385, store, 47′ x 60′; owners, Sullivan & McDonald; builders, Sullivan & Tobin.

Newbury St., Nos. 314 *and* 316, 2 dwells., 18′ x 48′ and 25′ x 46′; owner and builder, Edwin B. Horn.

Saratoga St., near Byron St., engine-house, 36′ 8″ x 76′ 4″; owner, City of Boston.

Pearl St., Nos. 117–123, mercantile, 40′ 6″ and 43′ x 73′ 5″; owner, J. H. Lee; builder, G. W. Pope.

Wood.— Sagamore St., near Savin Hill Ave., dwell., 24′ x 30′; owner, Chas. Kelley; builder, P. F. Hanlon.

Magazine St., Nos. 29 *and* 31, dwell., 20′ x 45′; owners, John Dimmick; builder, Madden & O'Brien.

Faneuil St., near Parsons St., dwell., 20′ x 28′; owner, Patrick Kenney; builder, D. M. O'Connell.

Everett St., near Lincoln St., dwell., 22′ x 28′; owner and builder, G. W. Mixer.

Skinner St., near South St., dwell., 30′ x 30′; owner, M. J. Towle; builder, C. W. Higgins.

Fairview St., near Train St., dwell., 22′ 6″ x 41′ 6″; owners, Stephenson & Appleton; builders, Noyes Bros.

Tremont St., No. 1405, storage, 25′ x 40′; owner, B. & P. R. R. Corporation; builder, F. Folsom.

Boston St., near Hamlet St., mechanical-building, 14′ x 30′; owners and builders, John Horsfield & Co.

Bickford Ave., near Heath St., dwell., 21′ x 32′; owner, J. Cole; builder, J. J. Bennick.

Ashmont St., dwell., 26′ x 34′; owner, G. B. Thayer; builder, D. R. Atwood.

Brooklyn.

BUILDING PERMITS. — *Twelfth St.*, n s, 272′ w Third Ave., two-st'y brick factory, tin or gravel roof; cost, $9,000; owner, W. J. Matheson, 20 Cedar St., New York; builder, A. C. Walbridge.

Fifty-second St., s s, 260′ e Fourth Ave., 2 two-st'y frame dwells., tin roofs; cost, each, $2,000; owner, John D. Holsten, 143 Forty-third St.; architect, S. B. Bogert.

Freeman St., No. 69, three-st'y frame tenement, felt and gravel roof; cost, $4,400; owner, T. Tapken, 157 Franklin St.; architect, F. Weber; builders, John Halford and C. Dunkhase.

Newell St., e s, 180′ 1″ n Van Cott Ave., 3 four-st'y frame tenements, gravel roofs; cost, each, $5,000; owner, Sarah M. Wentworth, 62 Newell St.; architect and builder, Edmund Wentworth.

Central Ave., e s, 260′ n Magnolia St., three-st'y frame store and dwell., tin roof; cost, $4,000; owner and builder, Ernest Loerch, 61 Himrod St.; architect, Frank Holmberg.

Third Ave., n w cor. Forty-fifth St., three-st'y brick store and flats, tin roof; cost, $4,000; owner, H. L. Schonberg, s w cor. Third Ave. and Forty-second St.; architect, W. A. Fries.

South Third St., No. 340, three-st'y brick dwell. and stable, tin roof; cost, $3,000; owner and mason, Herman Wild, 340 South Third St.; architect, Th. Engelhardt; contractor, not selected.

Greenpoint Ave., n e cor. Provost St., three-st'y brick storage, gravel roof; cost, $6,800; owners and architects, Young & Gerard; mason, Martin Vogel.

Myrtle Ave., s s, 50′ e Stanhope St., two-st'y frame dwell., tin roof; cost, $3,000; owner, Anne Flama, cor. Park Ave. and Broadway; architect and builder, Jas. J. Carolan.

Nostrand Ave., e s, between Macon and Halsey Sts., three-st'y brick and stone school-house, slate and tin roof; cost, about $100,000; owner, Board of Education; architect, J. W. Naughton; builders, F. J. Kelly and Robert Ferguson.

Waverly Ave., e s, 125′ s Greene Ave., three-st'y brick schoolhouse, tin roof; cost, $25,000; owner and architect, same as last; builders, Geo. Philips and P. F. O'Brien.

Van Buren St., n w cor. Reid Ave., three-st'y brick schoolhouse, tin roof; cost, $45,000, owner and architect, same as last; builders, John McQuaid and F. D. Norris.

Stockton St., n s, 235′ e Marcy Ave., three-st'y brick schoolhouse, tin roof; cost, $45,000; owner, architect and builder, same as last.

Lorimer St., No. 558, e s, 118′ s Norman Ave., three-st'y frame tenement, felt, cement and gravel roof; cost, $4,500; owner, Robert Harrold; architect, M. D. Randall; builder, Stephen Randall.

Stockholm St., No. 133, three-st'y frame tenement, tin roof; cost, $3,500; owner and builder, M. Jeffries, on premises; architect, H. Vollweiler.

Stagg St., No. 276, s s, 150′ w Waterbury St., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,100; owner, Chas. R. Baker, 244 Washington Ave.; architect, Th. Engelhardt; builders, C. Nieber and J. Auer.

Stagg St., n w cor. Waterbury St., 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, $8,800; owner, Mrs. Mary S. Baker, 244 Washington Ave.; architect and builder, same as last.

Power St., Nos. 96 *and* 98, near Leonard St., 2 three-st'y frame brick-filled tenements, tin roofs; cost, $8,400; owner, George Kern, 313 West Thirty-eighth St., New York; architect, H. Vollweiler; builder, E. Schech.

Butler St., No. 185, s s, 75′ e Bond St., three-st'y frame tenement, tin roof; cost, $3,000; owner, John Clark, on premises; builder, P. Whelan.

Raude Pl., w s, 190′ 6″ s Herkimer St., two-st'y brick stable and dwell.; cost, $4,000; owner, A. Studwell and P. Devin, Sumpter St. and Saratoga Ave.; architect, P. H. Smith; builders, J. Pawell and T. H. Smith.

Chicago.

BUILDING PERMITS.—Wm. Goldie, three-st'y flats, 2061 Vernon Ave.; cost, $8,000; architect, C. Chapman.

F. W. Wolf, two-st'y factory, 326–330 Hawthorne Ave.; cost, $10,000.

S. M. Parish, two-st'y barn, rear 64 Cottage Grove Ave.; cost, $3,500.

Mrs. E. C. Hancock, two-st'y dwell., 39 Bellevue Pl.; cost, $8,000.

Wm. Mertens, three-st'y flats, 238 Sedgwick St.; cost, $4,000; architects, Forman & Jebson.

P. Kessler, 2 three-st'y stores and flats., 459–461 State St.; cost, $15,000; architects, Bauer & Hill.

P. Korlege, two-st'y store and flat, 298–300 West Twelfth St.; cost, $10,000; architects, Furst & Rudolph.

C. Schroder, three-st'y store and dwell., 981 Milwaukee Ave.; cost, $6,000; architect, Burling.

Fuller & Frost, 3 two-st'y dwells., 2301–2305 Forest Ave.; cost, $12,000; architects, Cobb & Frost.

J. Vollmer, two-st'y flats, 73 Jay St.; cost, $3,500.

Mrs. M. O'Neil, three-st'y flats, 119 Fisk St.; cost, $4,000.

H. Wendt, three-st'y store and dwell., 523 West Chicago Ave.; cost, $4,000.

J. McGrath, two-st'y flats, 2250 Dearborn St.; cost, $3,500.

S. Wolf, three-st'y store and dwell., 308 Thirty-seventh St.; cost, $3,000.

M. Klein, two-st'y dwell., 503 West Congress St.; cost, $5,000.

J. S. & Ida M. Dennis, 2 two-st'y dwells., 1227–1235 Washington Boulevard; cost, $16,000.

A. Schumann, three-st'y dwell., 481 Hulbert St.; cost, $6,000.

A. J. Schnell, 2 three-st'y stores and dwells., 810–812 Milwaukee Ave.; cost, $15,000.

J. Weisel, two-st'y dwell., 178 Larrabee St.; cost, $4,000.

E. Lehman, two-st'y store and flats, 18 Francisco St.; cost, $3,000.

J. C. Howell, 2 two-st'y dwells., 53–55 Grant Pl.; cost, $5,000; architect, H. H. Gage.

J. Mohon, two-st'y store and dwells., 1379 West Twelfth St.; cost, $3,000.

T. Kelly, three-st'y store and flats, 389 Larrabee St.; cost, $4,000.

Mrs. W. Johnson, two-st'y dwell., 10 Elizabeth St.; cost, $6,000.

W. L. Thomas, two-st'y dwell., 588 West Chicago Ave.; cost, $3,200.

T. J. Hankins, three-st'y dwell., 230 Warren Ave.; cost, $6,000.

Mrs. W. How, three-st'y store and dwell., 123 Eighteenth St.; cost, $11,000.

Eilkan & Stern, 2 two-st'y dwells., 590–592 Dearborn Ave.; cost, $18,000; architect, J. Huber.

H. Quetschke, two-st'y dwell., 140 Centre Ave.; cost, $4,000.

John Cudahy, two-st'y dwell., cor. Thirty-third St. and Michigan Ave.; cost, $60,000; architects, Burling & Whitehouse.

E. H. Thompson, two-st'y dwell., 301–303 Belden Ave.; cost, $10,000.

W. Jensen, two-st'y store and dwell., 750 West North Ave.; cost, $2,600.

L. Jensen, two-st'y dwell., 89 Le Moyne St.; cost, $2,700.

F. H. Schau, two-st'y dwell., 82 Le Moyne St.; cost, $5,500.

W. E. Smith, 3 two-st'y dwells., 321–325 Rhodes Ave.; cost, $8,000; architects, Wheelock & Clay.

F. Bocka, two-st'y dwell., 472 Twentieth St.; cost, $3,500.

J. S. Martin, three-st'y dwell., 192 North State St.; cost, $12,000.

N. Weber, three-st'y dwell., 91 Hurlburt St.; cost, $4,500.

J. Galles, 2 two-st'y dwells., 233–235 North Market St.; cost, $5,500.

D. Cohen, two-st'y store and dwell., 3340–3342 Michigan Ave.; cost, $27,000; architect, L. B. Dixon.

E. C. Hartwell, 2 two-st'y dwells., 39–41 Pearson St.; cost, $12,000.

J. Joerasek, two-st'y dwell., 82 West Division St.; cost, $4,600.

S. W. Tgrakowski, two-st'y dwell., 335 North May St.; cost, $4,000.

C. Corlett, two-st'y flats, 379 Dayton St.; cost, $3,300.

Detroit.

BUILDING PERMITS. — The following permits have been granted since our last report: —

Thomas McGregor, two-st'y brick dwell., 40–42 Fremont St.; cost, $6,250.

G. F. Tinan, two-st'y brick dwell., 70 Abbott St.; cost, $5,000.

Peter Thirsen, two-st'y double brick dwell., 383–385 Thirteenth St.; cost, $4,000.

Benjamin Fisher, two-st'y brick dwell., 87 East Montcalm St.; cost, $3,500.

U. Armstrong, three-st'y brick dwell., 92 Washington Ave.; cost, $3,800.

Mary E. Gibbs, two-st'y brick dwell., 60 Erskine St.; cost, $10,000.

Wm. Scott & Co., five-st'y addition to Michigan Stove Works; cost, $14,500.

James Hogan, frame dwell. Seventeenth St.; cost, $3,500.

James B. McKay, frame dwell. Cass Ave.; cost, $4,000.

A. Chapoton, Jr., for Wm. Bealls, five-st'y brick store, Woodward Ave.; cost, $20,000.

W. B. & J. P. Moran, five-st'y brick store, Woodward Ave.; cost, $10,000.

N. Flattery, two-st'y brick dwell., 641 Jefferson Ave.; cost, $15,000.

N. J. Martell, two-st'y brick dwell., 183–185 East Montcalm St.; cost, $3,000.

W. C. Lantern, addition to brick dwell., 308 Howard St.; cost, $3,000.

W. H. Hollands & Son, brick addition to frame dwell., 178 East Montcalm St.; cost, $4,500.

Detroit Soap Co., brick storehouse, Dix Road; cost, $4,000.

William Cowir, brick stores, 44–46 Gratiot Ave.; cost, $25,000.

A. S. Varney, brick dwell., 22 East Alexandrine Ave.; cost, $2,900.

S. J. Martin, brick dwell., 443 Third Ave.; cost, $4,000.

H. S. Peoples, block of brick stores, Michigan Ave., cor. Welch Ave.; cost, $7,500.

C. H. Butler, brick dwell., Woodward Ave.; cost, $15,000.

Herbert Bowen, brick dwell., Forest Ave.; cost, $7,000.

E. C. Bowman, frame dwell., Hancock Ave.; cost, $3,500.

Neil Flattery will erect 2 brick houses on Jefferson Ave., costing $28,000.

St. Jocham Church, East Fort St.; cost, $40,000.

W. H. Holland & Son, brick dwell., Garfield Ave.; cost, $6,000.

H. O'Connell & Co., double frame dwell., 91 Ledyard St.; cost, $4,000.

N. W. Weber, brick dwell., 40 East Forest St.; cost, $5,000.

readily along the anticlinals, where the ten-
atest. The geological horizon that furnishes
Vestern Pennsylvania seems to be identical
sand, and hence is one of the Catskill cong-
rock at Murraysville, Tarentum, Washing-
her points. Some large gas-wells have been
iferous sandstone (Pocono), however, and
enango oil-sand (Chemung). In Ohio, gas-
ve been obtained deep down in the Cincin-
est Virginia they have been found in the
nce natural gas, like oil, has a wide range
nn, though it is a significant fact that it is
ck slates of the Devonian.— *The Iron Age.*

---

hat when old Green Hill Protestant Episco-
River, was built, in 1733, the people drove
ilked them, and with the milk mixed the
ys were painted. The color still remains.
church has taken a practical shape, and
ls promptly respond to the appeals made

---

petrified wood found in the Rocky Moun-
ing utilized. In San Francisco there is now
ning these petrifactions into mantle pieces,
ectural parts for which marble or slab is
wood is said to be susceptible of a finer
nyx, the latter of which it is driving from
l employed comes mostly from the forest
line of the Atlantic & Pacific Railway.
also been formed to obtain concessions
orests. Geologists will regret the destruc-
val remains, and some steps ought to be
s in their original state. — *Exchange.*

— The deepest bore-hole in existence, ac-
lerr Mohs before the Magdeburg district
German Engineers, is that reached in bor-
of Schladebach, on the railway between
have been made for some time in that lo-
Prussian Mining Department. The total
has been driven with a hollow diamond-
flushing, is 4559 feet. Its diameter at
at the surface 11 inches. Boring opera-
r three years and a half, and a sum of
hing t epth attained. The tempera-
e bor was found to be 48° C., equal

— What will withstand the tread of many
ne to afford a firm foothold? The iron
g to the stations of the elevated railways
rously smooth and wore away rapidly.
erials, which were placed on successive
rubber covering containing rungs of iron
the purpose. The hard slate upon the
idge between New York and Brooklyn,
t it has been necessary to cover them
e removed as the wear renders a new
saic composed of blocks of maple cut
sed in vestibules of public buildings and
of ceramic tiles. The wood is rendered
in linseed oil under pressure, until the
ted with the oil which dries after boiling.

St. *James' Gazette* recalls pleasantly the
image in Sené. From all the country
o the image for the purpose of sticking
il decayed by this time, and how many
opefully and yet fearfully driven into it
n image had been a living man he would
e wounds. Those pins mean marriage;
ich they are contributed. They must
for if they fall out the betrothal will
however, the marriage will take place
be a strong pin, for if it bends in the
unchback or a cripple. We may laugh
ze of that sort were set up in this coun-
the pins it wanted, and some to spare.
ubtless, but young girls like to be on the
e *York Herald.*

uz stands a stone image, whose bruised
f feminine credulity. From time imme-
t if a marriageable woman shall hit this
h a stone, she will immediately obtain a
settlement in life. The inventor of the
with the fact that women are not ex-
it not for this lamentable disability the
totally demolished years ago. As it is,
mblance of features, and heaps of small
he industry of the Mexican maidens, as
desiring matrimonial settlement. The
hich it stands, has a remarkable number
y at vesper services. The homeward
ge, and many a pebble is slyly tossed
he gloaming by women, young and old.
k *Sun.*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

BUILDING PATENTS.

[*Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.*]

320,905. Clay-Crushing Machine.—Frank Alsip and Chester T. Drake, Chicago, Ill.

320,918. Sewer-Trap.—Louis Fall, Lima, O.

320,920. Screw-Driver.—Nathaniel W. Farrand, Westfield, N. Y.

320,931. Bevel-Square.—Jonathan O. Grover, Lynn, Mass.

320,942. Stone-dressing Machine. — Jonathan Mann, Milton, Mass.

320,944. Brick-Machine.—Henry Martin, Lancaster, Pa.

320,950. Water-Supply Apparatus for Water-Closets.—Timothy McHugh, Boston, Mass.

320,974. Fire-proof Shutter.—Charles C. Schreiber, Cincinnati, O.

320,979. Flexible Roofing-Tile.—Lexor B. Snow, Cleveland, O.

320,990. Porcelain Water-Closet Bowl.—Richard H. Watson, Philadelphia, Pa.

321,055. Sash-Fastener.—William Robinson, Chicago, Ill.

321,081. Door-Hanger. — Chas. W. Bullard, Chicago, Ill.

321,109. Calcimine. — Karl A. Hohenstein, Brooklyn, N. Y.

321,120. Art of Manufacturing Portland Cement. — Robert W. Lesley and David Griffith, Egypt, Pa.

321,121. Manufacture of Cement. — Robert W. Lesley and David Griffith, Egypt, Pa.

321,137. Composition of Matter for Facing Brownstone and for making Artificial Stone. —Benjamin E. Ratcliffe, New York, N. Y.

321,143. Handle for Sliding-Doors. — Obadiah Seely, Syracuse, N. Y.

321,151. Door-Hanger.—Edward C. Stearns, Syracuse, N. Y.

321,180. Eaves-Trough Hanger.—Wilson C. Berger, Canton, O.

321,184. Combined Burglar-Alarm and Sash-Fastener.—John Brady, Philadelphia, Pa.

321,198. Hanging-Door. — Charles W. Emerson, Boston, Mass.

321,212. Fire-Escape.—Samuel Hargrave, Sr., and Arthur M. Lee, Pomona, Ill.

321,214. Gimlet-Pointed Rolled Wood-Screw. Hayward A. Harvey, Orange, N. J.

321,232. Steam-Radiator. —John H. Lounsbury, Westfield, Mass.

321,233. Covering for Steam-Boilers, etc. — Jorgen G. Maardt, Copenhagen, Denmark.

321,245. Window. — John S. Pihlström, Chicago, Ill.

321,268. Shutter-Worker.—John N. Worthington, Springfield, O.

321,284. Sash-Balance.—Henry E. Dorman, Worcester, Mass.

321,295. Graining Composition. —Thomas Head, Copetown, Ontario, Can.

321,303. Safety Device for Elevator-Cages, etc.—Petrus F. Laarman, Amsterdam, Holland.

321,306. Lock. —Thomas W. Markham, Huntsville, Tex.

321,336. Lumber-Drier. — Waller B. Beard, Jackson, Miss.

321,380. Mortise-Lock. — Patrick Murphy, Amesbury, Mass.

321,385. Fire-Escape. — William R. Pyne, Port-of-Spain, Trinidad, West Indies.

321,396. Shutter-Worker. — George W. Stover, Laurelton, Pa.

SUMMARY OF THE WEEK.

Baltimore.

Building Permits. — Since our last report thirty-three permits have been granted, the more important of which are the following:

Patrick Roddy, 3 three-st'y brick buildings, s s Hillen St., between Front and High Sts.

Albert Mahone, 8 two-st'y brick buildings, w s, and 8 two-st'y brick buildings, e s, Seventeen-foot Alley, s of Tennant St., w of Mount St. and e of Fulton Ave.

Chas. Gantz, 5 two-st'y brick buildings, w s Ann St., n of Eager St.; 9 three-st'y brick buildings, e s Broadway, commencing s e cor. Preston St.; and 7 three-st'y brick buildings, s s Preston St., between Holbrook and Aisquith Sts.

Theresa Volk, three-st'y brick building, n w cor. Castle and Lombard Sts.

Boston Fear, 11 two-st'y brick buildings, e s Carrollton Ave., commencing s e cor. Comity Lane; and 12 two-st'y brick buildings, w s Carlton St., s of Comity Lane.

M. A. Parks, 7 two-st'y brick buildings, e s Nanticoke St., between Cross and Stockholm Sts.

M. R. Scott, three-st'y brick building (square), w s Fulton Ave., n of Patterson Ave.

John O. Kuhler, 10 two-st'y brick buildings, n s Lafayette Ave., commencing n w cor. Calhoun St., and 3 two-st'y brick buildings, w s Calhoun St., n of Lafayette Ave.

A. Krebs, 6 two-st'y brick buildings, commencing n w cor. West St. and Burgunder Alley, and 2 two-st'y brick buildings, w s Burgunder Alley, n of West St.

John G. Schub, three-st'y brick building, w s Harford Ave., s of Lanvale St.

Struven & Walker, three-st'y brick building, s s Boston St., between Chester and Aliceanna Sts.

S. D. Price, 4 three-st'y brick buildings, e s Barclay St., and 4 three-st'y brick buildings, w s Constitution St.

R. W. Dorney, three-st'y brick building, n w cor. Lombard and Calhoun Sts.

J. F. Foley, three-st'y brick building, w s McKim St., between Chase and Biddle Sts.

J. M. Cone, 22 three-st'y brick buildings, s s Harlem Ave., between Fremont and Brune Sts., and 9 two-st'y brick buildings, w s Brune St., between Harlem and George Sts.

Boston.

Building Permits. — *Wood.* — *Mellville Ave.*, near Dorchester Ave., dwell., 14′ 3″ and 20′ x 47′ 6″; owner, Elbridge Smith; builder, H. P. Oakman.

Savin Hill Ave., near Grampian Way, dwell., 27′ x 37′ 6″; owners, Emily and Mary Rigby; builder, same as last.

Mercer St., No. 26, dwell., 21′ and 24′ x 36′; owner, James Ferguson; builder, J. A. Allen.

Magazine St., near Clayton Pl., dwell., 24′ x 42′; owner, Patrick O'Connor; builder, Thomas Clune.

Richfield St., near Columbia St., dwell., 22′ and 25′ x 29′; owner, Samuel B. Pierce; builder, Wm. J. Jobling.

Richfield St., near Columbia St., dwell., 22′ and 25′ x 29′; owner, J. Homer Pierce; builder, same as last.

Richfield St., near Columbia St., dwell., 24′ x 29′; owner and builder, John S. Darcy.

Richfield St., near Columbia St., dwell., 24′ x 29′; owner and builder, John Robbins.

Atwood Ave., near Day St., dwell., 31′ x 30′ 6″ and 36′ 6″; owner, L. C. Curtis; builder, Wm. Tobin.

Boylston Ave., near Green St., dwell., 25′ x 41′; owner, Dennis Doyle.

Chestnut Ave., near Green St., dwell., 23′ x 28′; owner, Mary A. Burton; builder, E. Johnson.

Charles St., Nos. 19 *and* 19½, dwell., 19′ 6″ x 41′; owner, Mrs. M. A. Snow; builder, John Bass.

Hilton St., near Wentland Ave., dwell., 16′ x 23′; owner, Mary J. Simmons; builder, S. R. Simmons.

Brooklyn.

Building Permits. — *Fulton St.*, n w cor. Nostrand Ave., four-st'y brick tenement, tin roof; owner, Mrs. Julia Diefendorf, Bryant Building, New York; architects, G. P. Chappell & Co.; builder, S. C. Whitehead.

Evergreen Ave., Nos. 381-387, 4 two-st'y frame (brick-filled) dwells., tin roofs; cost, each, $4,500; owner, architect and builder, J. A. S. Simonson, 389 Evergreen Ave.

Grove St., n s, 82′ e Evergreen Ave., 2 two-st'y frame and brick dwells., tin roofs; cost, each, $3,500; day's work; owner, architect and builder, same as last.

Grand St., s e cor. Agate St., 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $4,000; owner and architect, M. Weisshaar, Greene and Nostrand Aves.; builders, M. Kuhn & Son and J. Rueger.

Grant St., s s, 47′ e Agate St., 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $4,350; owner, etc., same as last.

India St., n s, 375′ w Manhattan Ave., three-st'y brick store and tenement, tin roof; cost, $5,500; owner, J. J. Kelly, 406 East Sixtieth St., New York; architect, M. D. Randell; builders, Smith & Gately and M. Bant.

Baltic St., n s, 246′ e Fourth Ave., 3 two-st'y brick dwells., tin roofs, wooden cornices; cost, $3,500; owner, J. H. Wooley, Butler Ave. or Orient Ave.; architect, R. Dixon.

Baltic St., n s, 189′ e Fourth Ave., 3 two-st'y brick tenements, tin roofs, wooden cornices; cost, $4,000; owner and architect, same as last.

Skillman St., No. 70, w s, 25′ s Park Ave., three-st'y frame (brick-filled) tenement, gravel roof; cost, $6,000; owner, J. H. Kohlman, Park Ave., cor. Skillman St.; architect, J. G. Glover; mason, C. Collins.

North Seventh St., n s, 175′ e Fourth St., 2 brick tenements, one three-st'y and stores and one four-st'y, tin roofs; cost, each, $9,000; owner, Hugh Clark, North Seventh St.; architect, E. F. Gaylor; builders, M. Smith and J. Fallon.

Madison St., n w cor. Throop Ave., 2 four-st'y brown-stone tenements and 7 private dwells., tin roofs; cost, each, $9,000; owner and builder, P. F. Ryan, Hewes St.; architect, E. F. Gaylor.

Quincy St., n s, 225′ e Franklin Ave., four-st'y brick and stone tenement, gravel roof; cost, $10,000; owner and builder, Paul C. Grening, 420 Gates Ave.; architect, A. Hill.

Livingston St., Nos. 185 *and* 187, five-st'y brick store, tin roof; cost, $14,000; owners, Wechsler & Abraham, 430 Fulton St., architect, G. L. Morse.

Halsey St., n s, 315′ e Nostrand Ave., 2 three-st'y brown-stone dwells., tin roofs; cost, $8,500; owner and builder, Wm. Shinden, 216 Herkimer St.; architect, M. Walsh.

Willoughby Ave., n s, 131′ 6″ e Kent Ave., two-st'y brick dwell., tin roof; cost, $4,000; owner and builder, George Browley, 250 Steuben St.; architect, M. J. Morrill.

Howard Ave., s e cor. Jefferson St., three-st'y brick store and dwell., tin roof; cost, $6,100; owner, Owen Mulvey, 67 Howard Ave.; architect, B. O'Rourke; builders, J. H. O'Rourke and T. S. Priestley.

Sixth Ave., n e cor. Sixteenth St., three-st'y brick store and dwell., tin roof; cost, $7,000; owner, M. Duffy, Sixth Ave., cor. Sixteenth St.; architect and contractor, T. Corrigan; mason, W. Corrigan.

Grand Ave., w s, 100′ n Willoughby Ave., 3 four-st'y brick tenements, tin roofs; cost, each, $9,000; owner, John N. Eitel, 257 Carlton Ave.; architect, C. F. Eisenach; builders, T. Donlon and J. T. Hanlon.

Monroe St., s e cor. Sumner Ave., 5 two-and-a-half-st'y brown-stone dwells., tin roofs; cost, each, $5,000; owner and builder, D. S. Beasley, 59 Pulaski St.; architect, I. D. Reynolds.

Waverly Ave., e s, 100′ s Myrtle Ave., four-st'y brick and brown-stone tenement, tin roof; cost, $12,000; owner, Cornelius Donnellon, 116 Pacific St.; architects, G. P. Chappell & Co.

Hart St., n s, 226′ e Marcy Ave., two-st'y brick dwell., tin roof; cost, $4,000; owner, architect and builder, P. Dunnon, 110 Tompkins Ave.

Lafayette Ave., n s, 30′ w South Oxford St., three-st'y brick club-house, slate and tin roof; cost, $25,000; owner, Oxford Club, South Oxford St., cor. Lafayette Ave.; architect, J. Mumford; builders, J. Ashfield & Son and W. S. Wright.

McDonough St., n s, 120′ and 280′ w Lewis Ave., 6 three-st'y brown-stone dwells., tin roofs; cost, each, $5,000; owner, P. Sheridan, 775 Myrtle Ave.; architect, J. Harbison; builder, P. Sheridan.

Central Ave., w s, 102′ n Myrtle St., three-st'y frame tenement, tin roof; cost, $4,000; owner, M. Harman, Central Ave., near Myrtle St.; architect, J. Platte; builders, K. Mahler and T. D. Eadie.

Nineteenth St., s s, 225′ w Sixth Ave., 2 three-st'y frame tenements, tin roofs; cost, each, $3,000; owner, architect and contractor, J. Mahoney, 1007 Third Ave.; mason, O. O'Kief.

Manhattan Ave., w s, 175′ s Nassau Ave., four-st'y frame (brick-filled) store and tenement, gravel roof; cost, $6,000; owners and masons, Gately & Smith, 569 Lorimer St.; architect, A. Van Dien.

Douglass St., s s, 90′ e Fifth Ave., 10 two-st'y brick dwells. and two-st'y extension, tin or excelsior roofs; cost, $4,000; owner, W. H. Jackson & Co., Madison Sq., New York; architect, F. L. Hine; builder, H. E. Fickett.

Hancock St., No. 704, s s, about 200′ e Reid Ave., two-st'y brick factory, tin roof; cost, $9,000; owner, W. Woerle, on premises; architect, F. Holmberg; builder, D. Distler.

Heyward St., s s, 120′ w Lee Ave., 6 three-st'y brick flats, tin roofs; cost, each, $6,000; owner and builder, R. Healey; architect, I. D. Reynolds.

Broadway, w s, 57′ s Park Ave., 2 four-st'y brick stores and tenements, tin roofs; cost, each, $16,500; owner, Theresa Adelman, 3 Sheriff St., New York; architect, F. Holmberg; builder, J. Rueger.

Johnson Ave., No. 121, three-st'y frame (brick-filled) store and tenement, tin roof; cost, $3,800; owner, M. Joeller, on premises; architect, H. Vollweiler.

Twenty-third St., s s, 225′ w Fifth Ave., three-st'y frame tenement, tin roof; cost, $3,800; owner, A. Ostergreen, on premises; architect and builder, J. Sorenson.

North Sixth St., No. 201, 177′ e Fifth St., four-st'y brick tenement, tin roof; cost, $8,500; owner, Mrs. J. M. Selvage, 269 Hewes St.; architect, Th. Engelhardt; builders, G. Lehrian & Son and Geo. Ross.

Putnam Ave., n s, 25′ w Sumner Ave., 8 three-st'y brown-stone dwells., gravel roofs; cost, each, $8,000; owner and architect, John C. Bushfield; builder, not selected.

Nostrand Ave., n w cor. Lexington Ave., 5 four-st'y brick stores and tenements, gravel roofs; cost, each, $9,000; owner, Jos. P. Puels and Wm. J. Northridge, on premises; architect, P. F. Thomas.

Alterations. — *Furman St., Nos.* 159 *to* 160, rebuild river front, iron beams, etc.; cost, $4,000; owner, John Watson, 68 Gold Street, New York; builders, Hazzard's Sons & Co. and Mr. Sonne.

Gallatin Pl., five-st'y and basement brick extension, front and interior alterations; cost, $8,000; owners, Wechsler & Abraham; architect, G. L. Morse.

Chicago.

Building Permits. — Mrs. M. Parrott, 10 two-st'y dwells., 221-237 Wilmot Ave.; cost, $20,000.

J. Bonn, 2 two-st'y dwells., 75 and 77 Jay St.; cost, $5,000.

M. Bickel, two-st'y flats, 642 West Nineteenth St.; cost, $2,500.

B. Quirk, two-st'y flats, 124 Walnut St.; cost, $3,500.

J. Halpack, two-st'y dwell., 560 West Twentieth St.; cost, $2,500.

Mrs. G. Chisholm, two-st'y dwell., 552 Jackson St.; cost, $4,500.

H. Krolovece & Bros., three-st'y flats, 576-582 West Twenty-first St.; cost, $8,000.

Mrs. C. Salles, two-st'y dwell., 708 Madison St.; cost, $4,500; architect, A. Smith.

J. Speich, two-st'y dwell., 1247 Fulton St.; cost, $3,000.

W. M. Hoyt, four-st'y flats, 45 and 47 Pine St.; cost, $17,000; architect, L. B. Townsend.

M. Urbanus, two-st'y factory; cost, $2,500.

J. Kraemer, two-st'y flats, 189 Hoyne Ave.; cost, $2,800.

J. Osborn, two-st'y dwell., 509 Oakley St.; cost, $2,600.

C. Schwartz, two-st'y flats, 285 and 287 Fulton St.; cost, $4,000.

C. Schwartz, three-st'y flats, 289 Fulton St.; cost, $2,500.

W. E. Hale, alterations, s w cor. Washington and State St.; cost, $10,000; architects, Ackerman & Smith.

W. Steinmetz, two-st'y dwell., 336 Dayton St.; cost, $2,500.

C. Seibrantz, two-st'y flats, 621 North Lincoln St.; cost, $4,500.

S. Oleson, three-st'y flats, 92 Sedgwick St.; cost, $?,000.

J. Orsna, two-st'y store and dwell., 638 Throop St.; cost, $4,000.

A. Ciskowsky, three-st'y dwell., 157 Bissell St.; cost, $4,000.

J. Nowak, three-st'y store and dwell., 147 Bunker St.; cost, $3,600.

G. C. Wallace, two-st'y store and flats, 468 and 470 Taylor St.; cost, $14,000.

J. Schieferstein, three-st'y store and flats, 295 Division St.; cost, $18,000; architect, E. Baumann.

C. Manke, two-st'y store and dwell., 419 Twenty-sixth St.; cost, $4,600.

B. Hazelquist, three-st'y dwell., 293 West Ohio St.; cost, $3,000.

A. Simon, two-st'y dwell., 209 Bissell St.; cost, $3,000.

H. Stumpe, two-st'y dwell., 632 West Harrison St.; cost, $5,000.

July 25, 1885

A. Schackmann, three-st'y dwell., 510 Dearborn Ave.; cost, $15,000; architect, T. Karis.

The Board of Education, three-st'y school-house, 982-988 Wilcox Ave.; cost, $40,000; architect, J. J. Flanders.

H. Barnard, two-st'y dwell., 3241 Rhodes Ave.; cost, $7,000; architect, W. A. Furber.

W. G. Jackson, 2 two-st'y dwells., 935 and 937 Adams St.; cost, $5,500; architect, C. M. Palmer.

P. Tierney, four-st'y store and flats, 221 West Twelfth St.; cost, $7,000.

P. Johannes, three-st'y store and dwell., 3601 Halsted St.; cost, $10,000.

A. M. Billings, one-st'y condensing-house, Division St.; cost, $5,000.

J. Fitzpatrick, two-st'y dwell., 3112 Fifth Ave.; cost, $3,000.

J. Sargent, two-st'y dwell., 744 Warren Ave.; cost, $2,500.

C. W. & E. Partridge, 2 two-st'y dwells., 3721 and 3723 Lake Ave.; cost, $6,000.

A. P. Johnson, two-st'y dwell., 695 North Robey St.; cost, $8,500.

R. Berl, two-st'y store and dwell., 1544-1546 Milwaukee Ave.; cost, $6,500.

The Abbey Estate, one-st'y addition, 251 and 263 Wabash Ave.; cost, $5,000.

J. Palatreich, three-st'y store and flats, 322 West Chicago Ave.; cost, $5,000.

J. Pent, two-st'y dwell., 29 Evans Ct.; cost, $2,500.

Mrs. Olson, three-st'y dwell., 369 Twenty-fifth St.; cost, $5,000.

Mrs. M. Carberry, two-st'y dwell., 80 Union Park Pl.; cost, $4,000.

J. L. Coles, three-st'y store and dwell., 633 North Clark St.; cost, $7,000.

Detroit, Mich.

Board of Education, two-st'y addition, Webster School; cost, $18,000.

Candler Bros., alterations to dwell., 559 Woodward Ave.; cost, $4,000.

Ferdinand Kuhn, block of brick buildings, 192-198 East Adams Ave.; cost, $10,000.

Lane & Deitz, brick dwell., Fremont St.; cost, $3,000.

G. W. Buffam, brick dwell., 17 Joy St.; cost, $4,500.

D. W. Fales, brick dwell., 692 Cass Ave.; cost, $3,500.

Patrick Dee, two-st'y brick and frame dwell., Ferry St.; cost, $5,000.

Bradford Smith, 4 brick stores, 888-890 Michigan Ave.; cost, $8,000.

Board of Education, two-st'y brick school-house, Kentucky St.; cost, $20,000.

A. C. Varney, two-st'y brick dwell., Lincoln Ave.; cost, $4,500.

W. J. Mandy, 3 double frame stores, St. Aubin Ave.; cost, $5,250.

G. H. Osgood, 3 frame dwells., Campau Road, cost, $3,600.

Lane & Deitz, double brick dwell., 91-93 Ledyard St.; cost, $10,000.

Board of Education, addition to Duffield School; Macomb St., cost, $12,000.

Also add to Jefferson School, cor. Crawford St. and Selden Ave.; cost, $12,000.

Robert Dunn, three-st'y brick manufactory, 79-81 Brush St.; cost, $5,000.

Thos. Fairbairn, two-st'y brick dwell., 136 Lafayette Ave.; cost, $8,000.

Philip Letourneau, three-st'y brick dwell., 497 Cass Ave.; cost, $6,500.

New York.

In this excessively hot weather, the only news is on things problematical. Builders do not seem very anxious to figure, and are all busy on work started in the spring.

Flats.—On the s w cor. of Fifty-eighth St. and Sixth Ave., an apartment-house 82' 10" x 100' of brick, granite and iron, is to be built for Messrs. Harris Bros.; from plans of Messrs. A. Zucker & Co.

On the s e cor. of Avenue A and Fifty-fifth St., 8 apartment-houses, 25' x 80' each, are to be built for Mr. R. Guggenheimer; from plans of Messrs. A. B. Ogden & Son, at an estimated cost of $150,000.

Houses.—On the n s of Seventy-eighth St., 250' w of Ninth Ave., 6 three-and-four-st'y basement, high stoop houses, 16' x 18' fronts, are to be built for Mr. B. S. Levy; from plans of Mr. R. Guastivino.

Institutions are proposing to put some work on the market:

The St. Vincent de Paul Orphan Asylum will have a four-st'y and basement addition, 48' x 48' of brick and Ohio stone, built at a cost of $60,000; from plans of Mr. W. H. Hume.

The Home for the Relief of the Destitute Blind, will have a building erected on the s w cor. of Tenth Ave. and One Hundred and Fourth St., 100' x 125', three-st'y and basement, native stone first st'y, and above brick and brown-stone, to cost about $55,000; Mr. F. Carlos Merry, architect.

The Children's Aid Society will erect a new building, 47' x 93', five-st'y and basement, brick and stone, to be situated on Eighth St. and Avenue B; from plans of Messrs. Vane & Radford.

Building Permits.—*Hester St*, No. 25, five-st'y brick tenement, metal roof; cost, $15,000; owner, Rachel Kurzman, 383 Grand st.; architect, John B. Snook.

Maiden Lane, Nos. 138 *and* 140, five-st'y brick storehouse and office-building, tin roof, owner, John Carle, Jr., 153 Water St.; architect, W. B. Tubby.

Canal St., No. 112, five-st'y brick tenement with stores, metal roof; owner, Lorillard Spencer, Paris, France, architect, J. B. Snook.

Beekman St., Nos. 146 *and* 148, four-st'y brick store and lofts, tin roofs; cost, $12,000; owners, Elizabeth S. Jones and Harriet D. Potter, 46 West Thirty-ninth St.; architect, G. B. Post; builders, James B. Smith and V. J. Hedden & Sons.

Varick St., s e cor. King St., 5 three-st'y brick stores and dwells., tin roofs; cost, $40,000; owners, Corporation of Trinity Church, 5 Church St.; architect, Chas. C. Haight; builders, Robinson & Wallace and David Hepburn.

Waverley Pl., w s, 60' n Eleventh St., 2 three-st'y brick dwells., tin roofs; cost, each, $6,000; owner, Mrs. Hester A. Gregory, 219 West Eleventh St.; architect, W. B. Tuthill.

Fifty-ninth St., s s, 250' e Second Ave., 4 five-st'y brick tenements, tin roofs; cost, each, $18,000; owner, James T. Meagher, 325 East One Hundred and Twenty-third St.; architects, Thom & Wilson.

East Sixty-ninth St., No. 21, four-st'y brick (stone front) dwell., tin and slated roof; cost, $26,000; owners, architects and builders, Charles Buek & Co., 500 Madison Ave.

East Sixty-ninth St., No. 23, four-st'y and basement brick dwell., tin and slated roof; cost, $20,000; owner, etc., same as last.

East Sixty-ninth St., No. 25, four-st'y and basement brick dwell., tin roof; cost, $40,000; owner, etc., same as last.

East Sixty-ninth St., No. 27, four-st'y and basement brick dwell., tin roof; cost, $30,000; owner, etc., same as last.

East Sixty-ninth St., No. 29, four-st'y and basement brick dwell., tin roof; cost, $26,000; owner, William Openhym, New Jersey; architects, etc., same as last.

Eighty-eighth St., n s, 54' 6" e Third Ave., five-st'y brick flat with store, tin roof; cost, $10,000; owner, John H. Gray, 1564 Park Ave.; architect, J. McIntyre.

Eighty-eighth St., n s, 74' 6" e Third Ave., three-st'y brick workshop, tin roof; cost, $4,000; owner and architect, same as last.

One Hundred and Third St., n w cor. First Ave., one-st'y brick tenement, tin roof; cost, $3,000; owner, John Simon, 136 Chrystie St.; architect, A. Arctander.

Avenue A., s e cor. Eighty-second St., five-st'y brick (stone front) tenement with store, tin roof; cost, $24,000; owner, Stephen Pendergast, 1158 Second Ave.; architects, A. B. Ogden & Son; builders, Walsh Bros.

Second Ave., s w cor. One Hundred and Third St., five-st'y brick tenement with store, tin roof, owner, Margaret A. Murray, 315 East One Hundred and Sixteenth St.; architect, A. Spence.

Third Ave., s w cor. Ninety-sixth St., five-st'y brick tenement with stores, tin roof; cost, $22,000; Leo Schlessinger, 128 East Seventy-fourth St., and Jos. Hecht, 44 East Sixty-eighth St.; architects, Schwarzmann & Buchman.

Third Ave., w s, 20' s Ninety-sixth St., 3 five-st'y brick tenements with stores, tin roofs; cost, each, $21,000; owner, etc., same as last.

Avenue A, s e cor. Eightieth St., five-st'y brick factory, tin roof; cost, $45,000; owner, Geo. P. Lies, 313 East Seventeenth St.; architects, Schwarzmann & Buchman.

Avenue A, e s, 40' 6" s Eightieth St., five-st'y brick tenement, tin roof; cost, $18,000; owners and architects, same as last.

Sixty-third St., n w cor. Ninth Ave., five-st'y brick flat, tin roof; cost, $25,000; owner, T. Farley, 402 West Seventy-third St.; architects, Thom & Wilson.

Sixty-third St., n s, 25' w Ninth Ave., 4 three-st'y brick (stone front) dwells., tin roofs; cost, each, $16,000; owners, T. Farley & Son, 402 West Seventy-third St.; architects, Thom & Wilson.

Sixty-ninth St., s w cor. Ninth Ave., five-st'y brick flat, tin roof; cost, $45,000; owner, Hugh Blesson, 1262 Lexington Ave.; architect, Wm. Baker.

Sixty-ninth St., s s, 30' w Ninth Ave., 4 four-st'y brick (stone front) dwells., tin roofs; cost, each, $22,000; owner and architect, same as last.

Eighty-second St., n s, 100' w Tenth Ave., 6 three-st'y brick dwells., tin and slated (fire-proof sheathing) roofs; cost, each, $12,000; owner, Richard W. Myers, 131 East Sixty-third St.; architect, William Baker.

Seventh Ave., n w cor. One Hundred and Thirty-fourth St., 7 three-st'y brick dwells., tin roofs; cost, total, $50,000; owner, Patrick J. O'Brien, One Hundred and Forty-third St., near Eighth Ave.; architect, A. Spence.

One Hundred and Thirty-fourth St., n s, 65' w Seventh Ave., 2 three-st'y brick dwells., tin roofs; cost, total, $14,000; owner and architect, same as last.

Fleetwood Ave., n e cor. One Hundred and Seventy-sixth St., two-st'y brick dwell., slate roof; cost, $9,000, owner, August Koelsch, 838 Sixth Ave.; architect, John C. Kerby.

Mott Ave., e s, 152' s One Hundred and Forty-ninth St., 2 three-st'y brick dwells., tin roofs; cost, each, $5,000; owner, G. W. Walker, 367 West Thirty-sixth St.; architect, W. L. Goetchius.

North Third Ave., No. 390, two-st'y brick packing-house, felt and gravel roof; cost, $7,500; owner, Francis J. Schnugg, 433 East Eighty-sixth St.; architect, Robert Fay; builder, Wm. Somerville.

Third Ave., w s, abt. 100' s One Hundred and Seventy-ninth St., 2 two-st'y frame dwells., tin roofs; cost, $5,000; owner, Thomas Brown, 126 East Twenty-seventh St.; architect, C. C. Churchill; builders, Jas. McGarity and Louis Falk.

Alterations. — *Fifth Ave., No.* 411, n e cor. Thirty-seventh St., area deepened and internal alterations; cost, $6,000; owner, Mary Lewis, Tarrytown, N. Y., or on premises; architect, H. R. Marshall; builders, W. & T. Lamb, Jr. and P. Haughey.

Grand St., No. 281, one-st'y brick extension, tin roof, new store front, internal alterations and connection made with adjacent buildings; cost, $10,000; owners, J. Lichenstein & Son, 283 Grand St.; architect, J. Kastner.

Third Ave., No. 136, extension raised one st'y; cost, abt. $1,500; lessee, James Plavano, on premises; owner, Wm. Bird; architect, E. Gandolfo.

Greenwich St., Nos. 309-313, repair damage by fire; cost, $4,984; owner, Mrs. Mary Stuart, 981 Fifth Ave.; G. G. Williams, attorney; builder, E. Smith.

Philadelphia.

Building Permits. — *Parrish St.*, s of Forty-second St., 15 three-st'y dwells., 16' x 42'; Fred Michaelson, owner.

Mehl St., s of Main St., two-st'y dwell., 16' x 42'; Wm. Garvin, contractor.

Preston St., bet. South and Ogden Sts., three-st'y dwell., 20' x 35'; S. Smith, contractor.

St. Paul's Pl., w of Sixteenth St., 10 three-st'y dwells., 24' x 26'; Jas. Williams, superintendent.

Race St., No. 1510, in rear, addition to school-house, 23' x 30'; Richards & Shourds, contractors.

Third St., s w cor. Canal St., ice-house, 16' x 45'; O. Schmidt, contractor.

Marriott St., s of Fifth St., altering stable to dwells., 14' x 39'; Daniel Kidd, contractor.

Tacony St., three-st'y dwell., 30' x 60'; Thomas McCarty, contractor.

Eighth St., above York St., two-st'y dwell., 16' x 50'; Chas. Schuck, contractor.

Fifth St., cor. Eustace St., two-st'y dwell., 16' x 28'; Thos. Grinnan, contractor.

Twenty-fifth St., s of Poplar St., 25 two-st'y dwells., 16' 6" x 40'; Jno. M. Sharp, owner.

Sanayside St., w of Thirty-fifth St., 4 two-st'y dwells., 15' x 32'; J. F. Richards, contractor.

Fisher's Lane, e of Main St., two-st'y brick building, 16' x 33'; S. R. McDowell, contractor.

Howard St., No. 2341, three-st'y store, 14' x 65'; J. Meanholt, contractor.

Franklin St., bet. Unity and Pine Sts., blacksmith shop, 23' x 30'; Geo. Swope, owner.

Mascher St., No. 1303, three-st'y factory, 22' x 58'; C. G. McMullin, contractor.

Manayunk St., crematory, old Greek style, pilasters, bases, columns and architraves to be of granite; walls of brick; roof to be surmounted by a cupola, both covered with copper, 80' x 100'; Wm. Gelte, architect.

Ellsworth St., Nos. 1337 *and* 1339, 2 three-st'y dwells., 16' x 58'; Chas. O'Neill, contractor.

Christian St., No. 224, three-st'y dwell., 20' x 52'; W. H. Messick, contractor.

Park St., w of Twenty-second St., 2 two-st'y brick buildings, 14' x 30'; Jas. E. Thorp, contractor.

Eadline St., w of Forty-fourth St., two-st'y addition, 24' x 28'; Stacy Reeverson, contractor.

Rochester N. Y.

Building Permits.—Plans have been prepared for a new four-st'y business block, cor. of Spring St. and Plymouth Ave., 100' on Spring St. and 65' on Plymouth Ave., for John Mogridge; Warner & Brockett, architects; W. N. Gorshire, contractor.

Otis & Crandall, architects, are preparing drawings for the following buildings:—

Three-st'y brick manufacturing-building on Spring St., for Thomas Swift & Sons.

Three-st'y brick business block on Smith St., for Michael Keenan; material to be brick, with cut-stone trimmings.

Three frame houses on Perkins St., for Paul Luchleitner.

House for J. L. Luckey, Lake Ave.

Double frame house on Charlotte St., for the Misses Dick.

They are also preparing plans for a large livery-stable for J. W. Graves, to be located in the eastern part of the city.

Walker & Nolan, architects, are engaged on the following work:—

Stone dwell. on Portsmouth Terrace, for J. R. Fanning.

Brick dwell. on West Franklin Square, for J. S. Brown.

Cottage house on Prospect St., for E. A. Medcalf.

St. Paul, Minn.

Building Permits.—Two-st'y stone and brick veneer stores and dwell., e s of Bates Ave., bet. Hudson and Blum Sts.; cost, $3,500; owner, August Setracht.

Two-st'y brick double dwell., s s of Weniford St., bet. Greenwood and Clinton Sts.; cost, $2,400; owner, H. F. Langelyt.

Three two-st'y frame dwells., s s of Summit Ave., bet. Snelling and Macalester Sts.; cost, $3,500; owners, B. F. Wright and R. P. Lewis.

Two-st'y frame dwell., s s of Summit Ave., bet. Snelling and Macalester Sts.; cost, $7,500; owners, B. F. Wright and R. P. Lewis.

Two-st'y frame dwell., s s of Terrace Ave., bet. Wilder and Moore Park; cost, $2,000; owner, C. D. Parker.

Two-st'y frame dwell., n s of Holly Ave., bet. Arundel and Mackubin Sts.; cost, $5,000; owner, Geo. S. Baxter.

Alteration of front to three-st'y brick stores and offices, s s of Fourth St., bet. Wabasha and Cedar Sts.; cost, $4,000; owner, J. L. Merriam.

Two-st'y frame dwell., s s of Portland Ave., bet. Kent and Dale Sts.; cost, $5,000; owner, E. P. Wilga.

Two-st'y brick veneered barn, s s of Summit St., St., bet. Western and Walnut Sts.; cost, $4,500; owner, F. Driscol.

Two-st'y frame dwell. and store, s s of Margaret St., bet. Sumien and Arcade Sts.; cost, $3,500; owner, Nicholas Wilmer.

Three-st'y brick store and dwell., e s of West Seventh St., bet. Chestnut and Eagle Sts.; cost, $5,000; owner, Wm. Foulke.

Two-st'y frame dwell., n s of Oakly St., bet. Lyndhurst and Westwood Sts.; cost, $2,000; owner, E. A. Fitzgerald.

Two-st'y frame dwell., n s of Hancock St., bet. Howell and Laurel Ave.; cost, $2,000; owner, E. R. Moore.

One-and-one-half-st'y frame dwell., w s of Dale St., bet. Holly and Hennepin Sts.; cost, $2,150; owner, G. M. Sawyer.

Three-st'y brick block stores and hotel, n s of East Fifth St.; bet. Wabaska and Cedar Sts.; cost, $35,000; owner, A. R. Carpehart.

General Notes.

Allentown, Pa. — The site has been chosen and arrangements nearly completed for the erection of a silk mill here, 50' x 250', with wings of the same dimension. John Pyle, of Paterson, N. J., is the original mover of the enterprise.

Anne (Arundel Co.), Md.—St. Paul's parish building; cost, $17,000.

Additions to Mt. Calvary Church; cost, $7,000.

Repairs and improvements in All Hallow's Church.

T. B. Ghequier, Baltimore, architect for above.

Anoka, Minn. — The construction of the new city-hall is in charge of Aldermen Browning, Page and Woods. The contract for the foundation has been

very white ground, its appearance being with blue ink. — *Providence Journal.*

pects to find the capital of Denmark a arble palaces, magnificent residences, and trees, imposing public buildings, s, sparkling with wealth and beauty, Instead, he finds a commonplace city, sturesque harbor, a pleasant artificial nd a park in the outskirts. Architect- , dreary and dilapidated. The public of Christianborg Palace (recently de- There is an unfinished church, stand- h an imposing dome, but it has stood r is in doubt whether it is a ruin or a The Thorwaldsen's Museum, remark- rks of this great modern sculptor, has urned inside out. The four wretched e representative of a monarchy that niversary of its foundation, look with the most desolate cobblestone square The yellowish-gray walls of the old a green leaf or blade of grass has the f the front of these so-called palaces; ty white shutters, cobblestones, and a something, greet the king's eye should windows of his apartments upon the the "good and faithful Parliament" the money necessary to rebuild the Exchange of Copenhagen is of red able ground, having the appearance of hotels and restaurants are uniformly considered the best. It is badly kept. racked and falling off, the wall-paper k and greasy with age and use. The ly abominable and enough to breed if not impossible to obtain a good the best restaurant is poor. Copen- her not drained at all. —*Philadelphia*

AND THE LIGHTNING STROKE OF JUNE shington Monument by lightning has he country to such a degree that a e case will doubtless be of interest to ternoon of June 5, a thunder-storm of Wash ton. At about fifteen min- bu hunder of some violence, ele disturbance of the after- ily passed through disturbances ap- e or two previous occasions, this time some damage done to one of the stones re inside of the structure at the base resembling the simultaneous discharge declared that the "whole monument a small wooden building, used as an as looking out of the window, away north. He affirms in the most positive which he says was as large as his fist, w out of which he was looking. Both not looking out of the window, and seem to have felt something of the who were within the monument say except those produced by the noise. ed from the ground with the unaided On applying a good telescope, how- stones just below the capstone was k produced being about four feet long, about two inches. A small corner of of the capstone had also been carried om the opening of the crack in the T. L. Casey, U. S. A., the engineer in monument, requested Professors Row- the United States Navy, and Menden- amine the monument, and recommend angements for protection from light- sary and sufficient. It was ascertained ception of that referred to above, the hatever of having received the stroke. p of the aluminum apex has not yet that it will be found to be somewhat case even where no other effect of the num pyramid is secured to the capstone a-half inches in diameter. From the h three-quarters of an inch in diameter, four heavy iron columns extending to e of which the elevator runs. As orig- t out towards the four corners of the their way to these iron columns. Just the angle of the pyramid, and hence ructure, the rupture occurred; and to l the localization of the stroke. The in reality very small, and can easily be ceeding instructive to those interested nducting power of the interior seems to h could possibly occur, and no evidence a respect; but it is evident that the al- sess sufficient collective or distributing ggested by the Committee will doubt- sing that power by the addition of more

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

BUILDING PATENTS.

[*Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.*]

321,936. COMBINED SCREEN AND STORM DOOR. — Charles Anderson, Downer's Grove, Ill.

321,939. SELF-SUPPORTING STRUCTURE. — Daniel Bates, Coldwater, Mich.

321,949. DOOR-SPRING.—Arthur Carrier, Bay City, Mich.

321,964. COMBINED DOOR-CHECK AND BUFFER. — Carrie G. Griffin, Manhattan, Kans.

321,973. SEWER-GAS VALVE. — Frank G. Johnson, New York, N. Y.

321,974. SEWER-GAS CUT-OFF FOR BASINS.—Frank G. Johnson, New York, N. Y.

321,994. SASH-BALANCE.—William S. Michael and David W. Geib, Lancaster, Pa.

321,995. VISE.—Peter Mincs, St. Paul, Minn.

322,006. CONCRETE-MIXING MACHINE. — Ernest L. Ransome, San Francisco, Cal.

322,016. VARNISH.—Henry T. Smith, Cooke County, Tex.

322,037. DEVICE FOR HANGING DOORS.—Francis B. Boait, Binghamton, N. Y.

322,047. TRIMMER-ARCH. — William S. Eames, St. Louis, Mo.

322,049. METHOD OF MANUFACTURING GIRDERS.— Albert H. Emery, Stamford, Conn.

322,050. MANUFACTURE OF METALLIC COLUMNS.— Albert H. Emery, Stamford, Conn.

322,078. CISTERN AND FLUSHING APPARATUS FOR WATER-CLOSETS. — William Strong, Indianapolis, Ind.

322,086. THRESHOLD. — Daniel Bartholomew, Red Cloud, Neb.

322,101. WATER-CLOSET. — James L. Howard and Charles P. Howard, Hartford, Conn.

322,107. HOT-AIR FURNACE. — Miron H. Jacobs, Syracuse, N. Y.

322,114. SELF-CLOSING FAUCET.—Henry B. Leach, Boston, Mass.

322,153. FELT ROOFING.—Lewis F. Blair and John W. Roche, Oswego, N. Y.

322,168. LAMP FOR ILLUMINATING, HEATING AND VENTILATING ROOMS. — Benjamin F. Enoch, Bergen Point, N. J.

322,178. PNEUMATIC DISPATCH AND SPEAKING-TUBE SYSTEM.—Richard J. P. Goodwin, Manchester, N. H.

322,182. SASH-HOLDER.—William D. Isett, Altoona, Pa.

322,206. FIRE-ESCAPE.—Isaac S. Smeltzer, Columbus, O.

322,211. DOOR-BOLT.—John F. Taylor, West Park, N. Y.

322,218. HYDRAULIC DOOR-CHECK. — Leo Wadack and Alois Graffy, Berlin, Germany.

322,222. CLAMP FOR EAVES-TROUGH. — George D. Waters, Cedarvale, Kans.

322,235. APPARATUS FOR THE MANUFACTURE OF WHITE LEAD.—William V. Wilson, London, Eng.

322,239. HINGE. — Frank W. Beckwith, Detroit, Mich.

322,256. WRENCH. — Thos. J. Campbell, Westfield, Mass.

322,280. FIRE-PROOFING COMPOUND. — John T. Greenwood, Jr., Beloit, Wis.

322,304. SPOKESHAVE AND CHAMFER-CUTTER. — James Maunder, Philadelphia, Pa.

322,307. PLASTIC COMPOUND FOR WALLS, ETC. — Henry W. Merritt, Boston, Mass.

322,328. WINDOW-GRATING. — John W. Showalter and George W. Mauger, Pottstown, Pa.

322,369. FLOOR-CLAMP.—Jacob M. Groce, Ravenswood, W. Va.

322,377. VENTILATING-CAP.—John A. Hughes and Charles S. Mengel, Philadelphia, Pa.

322,388. WATER-CLOSET SUPPLY-VALVE. — Henry S. Lord, Hartford, Conn.

SUMMARY OF THE WEEK.

Baltimore.

BUILDING PERMITS. — Since our last report nineteen permits have been granted, the more important of which are the following:

Geo. E. Hay, 20 three-st'y brick buildings, e s Argyle Ave., bet. Biddle and Greenwillow Sts.

N. Wolfman, 2 three-st'y brick buildings, com. s e cor. Jefferson and Chapel Sts.

M. Kaufman, three-st'y brick building, e s Broadway, n of Madison St.

Corpus Christi Church, stone church, s w cor. Mt Royal Ave. and Townsend St.

M. Holler, 2 two-st'y brick buildings, s w cor. Monument and Luzerne Sts.

H. W. Keck, 3 two-st'y brick buildings (square), e s Binney St., bet. Dillon and Hudson Sts.

F. O. Singer, 8 two-st'y brick buildings, n s Mosher St., com. n w cor. Carey St.; and 3 two-st'y brick buildings, w s Carey St., n of Mosher St.

Jacob Saum, 9 two-st'y brick buildings, w s Gilmor St., s w cor. Cole St.; and 5 two-st'y brick buildings, s s Cole St., w of Gilmor St.

M. J. Dorsey, 2 two-st'y brick buildings, e s Dexter St., bet. Stockholm and Cross Sts.

Brooklyn.

BUILDING PERMITS. — *Warren St.*, river front, six-st'y brick warehouse, gravel roof; cost, $35,000; owner, Jeremiah P. Robinson.

Jefferson St., s s, 55' w Throop Ave., two-st'y and mansard dwell., tin roof, wooden cornice; cost, $7,000; own-r, — McBride, Ninth St., near South Second St.; architect, E. F. Gaylor; builders, S. J. Burrows and Marhuis & Gill.

First St., s w cor. North Eighth St., three-st'y brick factory, tin roof; cost, $11,000; owner, Eugene Doherty, North Ninth St., cor. Second St.; architect, T. F. Houghton; builders, J. Rooney and J. Fallon.

Greene St., Nos. 243 *and* 245, 3 three-st'y frame tenements, gravel roofs; cost, each, $3,000; owner, Henry C. Fisher, 119 Norman Ave.; architect and contractor, C. Dunkhase; mason, Wm. Fischer.

South Fifth St., s w cor. Third St., 2 brick buildings for stable and shop, tin roof; cost, $2,000 and $3,500; owner and builder, Bernard Gallagher, 122 Union Ave.; architect, E. F. Gaylor.

Union Ave., s e cor. Meserole St., four-st'y brick store and tenement, tin roof; cost, $10,500; owner, L. Marquardt, on premises; architect, Th. Engelhardt; builders, J. Auer and J. Bossert.

Broadway, e s, 25' s Ellery St., 2 three-st'y frame store and dwells., tin roofs; cost, each, $6,000; owner, Mrs. Skillman; builders, J. Rueger and B. Guenscher.

Ormond Pl., e s, 100' s Jefferson St., three-st'y brick dwell., tin roof; cost, $9,000; owner, W. B. Smith, 107 Schermerhorn St.; architect, C. Werner; builders, O. Nolan and J. Rome.

Bushwick Ave., s w cor. Schaeffer St., two-st'y frame (brick-filled) dwell., tin roof; cost, $4,500; owner, John W. Crawford, 145 Woodbine St., builder, J. E. Sager.

South Ninth St., No. 238, three-st'y brown-stone dwell., tin roof, iron cornice; cost, $11,0 0; owner, Robert Thomas, 244 South Ninth St.; builder, T. Gibbons.

Eighth Ave., w s, 40' s Berkeley Pl., 3 three-st'y and attic brown-stone dwells., tin roofs; cost, each, $12,000; owner and builder, William Gubbins, 20 Seventh Ave.; architect, C. Werner.

Marion St., s s, 2 0' w Ralph Ave., three-st'y frame (brick-filled) dwell., tin roof; cost, $3,700; owner, Frederick Goebel; architect, A. Hill; builders, Weekes & Lauer.

North Ninth St., n w cor. Sixth St., three-st'y brick factory, gravel roof; cost, $3,200; owners, Longman & Martinez, 207 Pearl St., New York; architects, J. H. Doremus and Chas. Good.

Maujer St., s s, 87' e Bushwick Ave., three-st'y Belleville stone dwell., slate roof; cost, $40,000; owners, Nuns of St. Dominic, Montrose and Graham Aves.; architect, W. Schickel; builders, W. & T. Lamb, Jr.

Prospect Ave., s s, 175' e Seventh Ave., 2 three-st'y frame tenements, tin roofs; cost, $4,400; owner and mason, H. B. Lyons; contractor, not selected; architect, W. M. Coots.

Butler St., s s, 122' w Rogers Ave., two-st'y brick dwell., tin roof; cost, $3,500; owner, C. O. Sabine, 305 Hicks St.; architects, King & Roeher; builders, W. & E. H. Hawkins and T. Walley.

Garfield Pl., n s, 95' 9" w Fifth Ave., 5 two-st'y brick dwells., gravel roofs; cost, each, $3,000; Geo. R. Brown, 34 South Portland Ave.; builder, L. E. Brown.

Devoe St., n s, 212' 10" e Bushwick Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $3,800; owner, Leopold Fritz, on premises; architect, G. Hillenbrand; builders, A. Annan and C. Buchheit.

Stockton St., No. 287, three st'y frame tenement, tin roof; cost, $4,000; owner and builder, Andrew Wills, 137 Stockton St.; architect, H. Vollweiler.

Brooklyn Ave., w s, 25' n Herkimer St., three-st'y brick stable, tin or gravel roof; cost, $12,000; owners, architects and builders, Ashfield & Son, 631 St. Marks Ave.

ALTERATIONS. — *Vanderbilt Ave.*, n w cor. Park Pl., one-st'y brick extension, tin roof, bay-window; cost, $3,000; owner, John Hanscom, Vanderbilt Ave., cor. Park Pl.; architect, M. J. Morrill; builders, P. Carlin & Sons and J. S. McKea.

Court St., No. 58, four-st'y brick extension, tin roof; cost, $4,000; owner, Joseph Huhn, 138 Livingston St.; architect, C. F. Eisenach; builders, J. J. Bentzen and C. Dietrich.

Fulton St., No. 425, new cellar, also walls, etc.; cost, $4,000; owner, S. B. Duryea, 46 Remsen St.; architect, M. J. Morrill; builders, J. Stevenson & Son and A. Williamson.

Bushwick Ave., Maujer and Ten Eyck Sts., one-st'y brick extension, slate roof; cost, $5,000; owners, Nuns of St. Dominic, on premises; architect, Wm. Schickel, builders, W. & T. Lamb, Jr.

Furman St., Nos. 147 *and* 149, add one st'y, rebuild front and repair party-walls; cost, $10,000; owner, Gordon L. Ford, 97 Clark St., and Lorin Palmer, 142 Columbia Heights; architect, C. P. Eisenach; builders, T. Donlon and W. S. Wright.

Hicks St., n w cor. Joralemon St., add 3d peak slate roof, new pediments, new terra-cotta sills, lintels, etc., stoop shifted to Hicks St. front; cost, $6,000; owner, Mrs. Packer, Grace Ct.; architect, Parfitt Bros.; builder, J. A. De Camp.

Prospect Pl., Nos. 119 *and* 121, add one st'y to each house; cost, $4,000; owner, James Chambers, architect and builder, T. K. Schermerhorn.

Chicago.

BUILDING PERMITS. — M. Gutrich, three-st'y store and dwell., 3232 Wentworth Ave.; cost, $5,000; architect, J. Frank.

Mrs. A. R. Blair, two-st'y dwell., 156 Rush St.; cost, $12,000; architects, Cobb & Frost.

P. A. O'Neill, remodel building, 92 Van Buren St.; cost, $17,000; architect, Halberg.

S. Meaney, three-st'y flats, 99 Sigel St.; cost, $3,000.

F. J. Loesch, two-st'y dwell., 46 Lincoln Pl.; cost, $4,500.

F. W. Maurer, three-st'y store and flats, 755 West Twelfth St.; cost, $7,000.

J. Gunderman, three-st'y store and dwell., 182 North Ave.; cost, $7,000.

C. T. Bullock, three-st'y store and dwell., Van Buren St.; cost, $8,000.

J. Engburg, two-st'y dwell., 563 Hulbert St.; cost, $4,500; architect, J. Otter.

C. Linke, two-st'y dwell., 86 Jay St.; cost, $2,500.

G. Harding, basement, 11 Clarkson St.; cost, $3,000.

J. Buehler & Co., 5 two-st'y stores and flats, 1103-1115 Milwaukee Ave.; cost, $18,000; architect, H. Kley.

J. Buehler & Co., one-st'y rink, rear 1103-1115 Milwaukee Ave.; cost, $10,000.

J. Parker, Jr., three-st'y flats, 522 Monroe St.; cost, $9,000; architect, J. Huber.

C. Junge, three-st'y store and flats, 926-928 Milwaukee Ave.; cost, $15,000; architect, H. Sierks.

M. C. Dillon, two-st'y dwell., 750 Warren Ave.; cost, $2,500.

Mrs. C. O'Brien, two-st'y dwell., 39 Pierson St.; cost, $4,500.

A. Blather, two-st'y dwell., 92 Nineteenth St.; cost, $4,000.

F. Norman, two-st'y dwell., 140 Clybourne Ave.; cost, $4,000.

O. O. Ostrom, 8 two-st'y dwells., 295-311 Schiller St.; cost, $50,000.

Stolzenfeld & Schacker, 2 two-st'y flats, 356-358 Henry St.; cost, $5,000.

F. A. Nixon, two-st'y dwell., 97 Thirty-seventh St.; cost, $6,500.

C. R. Lott, two-st'y dwell., 465 Congress St.; cost, $3,500.

G. B. Carter, two-st'y dwell., 3321 Vernon Ave.; cost, $8,000.

Mrs. C. Lunden, four-st'y store and flats, 123 Chicago Ave.; cost, $8,000.

M. Brand & Co., one additional story, 256-262 Blue Island Ave.; cost, $15,000; architect, C. H. Gettig.

J. Gardner, two-st'y dwell., 725-727 Superior St.; cost, $5,500.

E. Webber, two-st'y dwell., 164 Ambrose St.; cost, $2,500.

J. Clark, six-st'y office-building, Sherman St.; cost, $150,000.

J. C. Armbruster, two-st'y store and dwell., 625 Twelfth St.; cost, $4,000.

Mrs. M. Richardson, two-st'y dwell., 3015 Lock St.; cost, $3,000.

C. Muehlke, 2 two-st'y dwells., 297-299 State St.; cost, $14,000.

H. Ganske, two-st'y store and dwell., 820 Twenty-first St.; cost, $4,500.

C. Kind, two-st'y store and dwell., 1100 Leavitt St.; cost, $4,000.

Cincinnati.

BUILDING PERMITS. — H. Brochman, four-st'y building, Elm and Liberty Sts.; cost, $3,000.

Jno. Sperry & Co., three-st'y building, Main and Ninth Sts.; cost, $7,500.

A. Hample, two-and-one-half-st'y building, Richmond and Freeman Sts.; cost, $3,000.

Hoeple & Co., two-st'y building, McMillan and Madison Sts.; cost, $8,300.

Thos. Owens, two-st'y building, Gilman St.; cost, $8,500.

C. Doer, four-st'y building, Vine and Canal Sts.; cost, $9,000.

David Sinton, remodel Grand Opera-House; cost, $5,000.

H. Cook, two-st'y building, Harrison Pike; cost, $4,000.

J. B. Foraker, Cross Lane and Elm St.; cost, $7,000.

A. Torrence, two-st'y building, Bignall and Carmel Sts.; cost, $2,500.

Wm. H. Stewart Sons, five-st'y building, Sixth and Sycamore Sts.; cost, $6,500.

Wm. H. Stewart Sons, two-st'y building, Biglow St.; cost, $6,200.

A. Aukenbauer, two-st'y building, Blue Rock and Cherry Sts.; cost, $2,000.

Fred. Otte, four-st'y building, Race and Fifteenth Sts.; cost, $7,000.

Maison & Wessel, two-st'y building, Colrain Pike and State St.; cost, $2,500.

G. & A. Stiebel, 3 two-st'y buildings, Spring Grove Ave. and Queen City; cost, $6,600.

J. J. Holekamp, three-and-one-half-st'y building, Baymiller and Clinton Sts.; cost, $3,000.

Audiebrinker & Treking, three-st'y building, Elm and Findlay St.; cost, $5,000.

Wm. H. Stewart Sons, three-st'y building, Biglow Ave.; cost, $6,000.

H. Rummelbaum, three-st'y building, Main and Liberty Sts.; cost, $2,100.

C. Grobrecht, three-st'y building, Camp Washington; cost, $5,000.

Mrs. M. L. Dibble, two-st'y building, Pardrome St.; cost, $2,000.

L. Marchs, five-st'y building, Third and Main Sts.; cost, $4,000.

J. H. Gressman, two-and-one-half-st'y building, Brown and Marshall Sts.; cost, $2,000.

J. M. Glenn, remodel, Broadway and Third St.; cost, $2,000.

L. P. Hazen, two-and-one-half-st'y building, Pardrome and Paralax; cost, $3,000.

Gambrinus Stock Co., addition Abigail and Broadway; cost, $8,000.

Wm. Boch, two-st'y building, Wayne and Kelly Sts.; cost, $2,700.

Henry Rothshop, four-st'y building, Fifteenth and Main Sts.; cost, $6,000.

Wm. Soelter, three-and-one-half-st'y building, Dayton and Coleman Sts.; cost, $7,000.

Miss M. Zaone, two-and-one-half-st'y building, Liberty and Spencer Sts.; cost, $6,000.

Aufenbrink & Friedking, four-st'y building, Elm and Fifth St.; cost, $2,000.

G. T. Nieber, remodeling, Race and Eighth Sts.; cost, $17,000.

S. Asmess, three-and-one-half-st'y building, Adams St.; cost, $3,000.

Martin Johnston, three-st'y building, Peters St.; cost, $3,000.

Louis Meyer, two-st'y building, Mulberry and Race Sts.; cost, $2,800.

to circulate thence over the house. Even are usually vulnerable places around the r the stools, and these should always be to the shingles can be driven up into them to this it is well to tack cotton from the er the stool, as well as into other suspi- r ordinary paper is used to put on the door frames, under the outside casings, , especially after the shrinkage of the r, to cause a chilly draught in the rooms it is better to use strips of zinc under ITECT.]

'ST PINS.

LYNCHBURG, VA., July 15, 1885.

MERICAN ARCHITECT: —

ne of the price of locust pins, the rd where to be delivered, as well as freight or it is paid by the seller. oblige

lly, J. B. NORVILLE.

market only oak pins are used, which as such good qualities, however, that ks. AMERICAN ARCHITECT.]

D CLIPPINGS.

ry. — Electricity has now been applied on of some difficulty when the diam- a millimeter in diameter is wound ired to be cut, and the ends are con- ctors of the same diameter, with the r generator of electricity. This iron flows, and it is only necessary to cool old water in order to produce a clear iameter are now cut in this way. —

— *Les Annales des Travaux Publics* for to a more elevated position of a feet and a rise of 4.26 feet. The at the key was 2.88' feet deep. under the arch and then five centres Under each end of the arch were 5.8 feet apart, and well braced in bents rested on two longitudinal midway between the centres, were en set of wedges and di- po re lifting screws. This out, the arch was cut at the spring- leaving, until all was ready, three When the weight of the arch, which rely upon the centres several cracks rown sank about one and one-half rews, however, it was found that the r increase, and the lifting was com- At each vertical inch of hoist the ges tightly driven. The total dis- work was accomplished in fourteen r sinking of about three-fourths of cracks extended from end to end of h of three-eighths of an inch, but masonry without appearing on the l with a thin grout of one part nd, and eight days were allowed for e centres were removed. When the fresh hair crack appeared, but with-

— The attempt to introduce some te for white lead appears to have a ite of the very long list of complete that direction. One of the most per- ars to be Mr. A. French, who is the taining the much desired substitute smelting furnaces. We recently k paint from the fume by convert- ready patented the use of the fume, hich he was joint patentee with Mr. il later patent he proposes to make it with hydrochloric acid, and thus which is to give "an excellent white form white paint, of the consistency take it that the condensed fume of not been largely adapted as white r act upon it with hydrochloric acid. attempts are made over and over s seem to trouble themselves to find n in the same direction. The prep- chloride of lead was proposed many ior of the process for desilverizing orked out a very beautiful and suc- oxychloride direct from galena, and anufacture. The product was very in displacing the white lead, nor in longside of it. The fact is, that not- ns of successive inventors that their nsistency" and all the good qualities bly been found by the painters that ter all the generations of experimen- n" process for making it, still remain ais.—*E ering.*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

322,426. SASH-FASTENER. — Winfield S. Cunningham, Springfield, O.

322,434. BENCH-CLAMP. — Hiram C. Fenton, Hartford, Conn.

322,446. REFRIGERATOR - BUILDING. — Joseph F. Hanrahan, Ottawa, Ontario, Can.

322,452. AUTOMATIC SAFETY-GUARD FOR ELEVATORS.—Franklin P. Hinds, Boston, Mass.

322,455. MACHINE FOR SANDING BRICK - MOULDS. Roswell S. Judson and Cyrus J. Hancock, Matteawan, N. Y.

322,457. EXPANSION-JOINT. — Philipp Koch, New York, N. Y.

322,475. STEAM-BOILER. — Benjamin N. Payne, Elmira, N. Y.

322,485. ELEVATOR - HATCH GATE. — Charles T. Schulze, Cincinnati, O.

322,488. DOOR - HANGER. — Samuel Shreffler, Jr., Joliet, Ill.

322,505. MORTISE - LOCK. — Lewis Tighe, Detroit, Mich.

322,513. DOOR - CHECK. — Thomas G. Williamson, Philadelphia, Pa.

322,520. SASH - HOLDER. — Frank P. Catlin, Clayton, Wis.

322,531. TOGGLE-JOINT. — Frederick L. Ellis, New Haven, Conn.

322,549. HEATING-DRUM. — Jas. P. Lydon, Marysville, Cal.

322,553. SASH-FASTENER. — Joseph Pallet, Delaware, O.

322,559. BRICKS, BUILDING - BLOCKS, ETC., MADE OF PURIFIED ASHES AND LIME.—Ernest L. Ransome, Oakland, Cal.

322,563. APPLIANCE FOR LAYING BRICKS.—Martin Reymond, Paterson, N. J.

322,587. CHEMICAL FIRE-EXTINGUISHER. —Joseph A. De Mauclere, Paris, France.

322,588. SHUTTER-WORKER. — John Dierks, Harlan, Iowa.

322,610.—STOVE OR FURNACE REGULATING DEVICE. Samuel W. Jackson, Chicago, Ill.

322,613. FIRE-ESCAPE. — George W. Kern, Chillicothe, O.

322,626. WATER-CLOSET. — Frank J. Merz, Newark, N. J.

322,634. HOT - AIR FIREPLACE. — Doyel Pearson, Memphis, Tenn.

322,648. DOOR-CHECK.—John H. Shaw, New Haven, Conn.

322,649. DOOR-SPRING. — John H. Shaw, New Haven, Conn.

322,650. GAS-ENGINE. — Cephas Shelburne, Richmond, Va.

322,659. MIXED PAINT.—William H. Van Keuren, Winona, Minn.

322,681. ELECTRIC DOOR - OPENER. — Thomas A. Casey, New York, N. Y.

322,685. AUTOMATIC SPRINKLER. — Frank B. Comins, New Bedford, Mass.

322,707. SASH-CORD FASTENER. — Geo. W. Graves, Norwalk, O.

322,732. VENETIAN BLIND.—William H. Lang, Burlington, Vt.

322,751. COMPOSITION FOR PLASTERING.—John W. Rees, Uniontown, Pa.

322,756. DERRICK.—David Sharp, Lemoore, Cal.

322,763. PNEUMATIC DOOR-CHECK. — George Vincent, Stockton, Cal.

322,790. MACHINE FOR FORMING FLANGES UPON SOFT PIPES.—Milton Chase, Haverhill, Mass.

322,813. STONE-LIFTER. — Daniel English, Brookville, Pa.

322,816. MACHINE FOR PLANING AND FINISHING THIN PIECES OF WOOD. — Addison M. Ford and Jas. M. Moore, Jericho, Vt.

322,819. WOOD-PRESERVING APPARATUS.—Ludvig Hansen and Andrew Smith, Wilmington, N. C.

322,873. FIRE-PROOF CEILING. — Peter B. Wight, Hyde Park, Ill.

SUMMARY OF THE WEEK.

Baltimore.

HOME.—George Archer, architect, has prepared drawings for the Young Women's Christian Association for a three-st'y brick building, 25' x 85', to be erected cor. Barret and Liberty Sts., to cost about $12,000; John Haswell & Son, builders.

BUILDING PERMITS.—Since our last report eighteen permits have been granted, the more important of which are the following: —

S. H. Carey, three-st'y brick building, w s McCulloh St., between Hoffman and Dolphin Sts.

W. F. Stubbs, 5 two st'y brick buildings, w s Sheppard Alley, between Columbia Ave. and St. Peter Street.

Hoen Building Co., six-st'y brick building, e s North St., n of Lexington St.

S. R. Robinson, 5 three-st'y brick buildings, e s Madison Ave., commencing s e cor. North Ave.

Jos. L. Amos, 11 two-st'y brick buildings, e s Fulton Ave., commencing s e cor. Baker St.

H. A. Zeigler, 5 two-st'y brick buildings, e s Valley St., n of Preston St.

Jacob Oster & Son, 4 two-st'y brick buildings, commencing s e cor. Madison and Constitution Sts.

Boston.

BUILDING PERMITS.—*Millett St.*, Ward 24, 3 two-st'y pitch-roof dwells.; owner, J. P. Carlton.

Tremont St., Ward 25, one-st'y shed; owner, John F. Walsh.

Eastman St., Ward 20, 3 two-st'y pitch-roof dwells.; owner, John H. Gigle.

Church St., Ward 25, two-st'y flat-roof dwell.; owner, John Brennan.

Wesley Ave., Ward 24, three-st'y flat-roof dwell.; owner, Thomas W. Tuttle.

East Eighth St., Ward 14, 2 three-st'y flat-roof dwells. and store; owners, H. C. & A. H. Menslage.

Foster St., Ward 24, 2 three-st'y flat-roof dwells.; owner, E. E. Currier.

Cobden St., Ward 24, 2 two-st'y pitch-roof dwells. and mechanical office; owner, W. B. Quigley.

Montrose Ave., Ward 21, two-st'y pitch-roof dwell.; owner, J. K. Smyth.

Poplar St., Ward 23, two-st'y pitch-roof dwell.; owner, Mrs. H. B. Leavitt.

Albany St., Ward 17, two-st'y flat-roof shed; owner, A. F. Leatherbee.

Hand Pl., Ward 21, three-st'y flat-roof dwell.; owner, H. J. Bartlett.

Copeland St., Ward 21, 2 two-st'y pitch-roof dwells.; owner, Carl Eberhard.

Everett St., Ward 2, 2 three-st'y flat-roof dwells.; owner, John McCormick.

Ashford St., Ward 23, two-st'y pitch-roof dwell.; owner, Mrs. E. E. Rogers.

Washington St., Ward 23, one-st'y flat-roof structure for mechanical purposes; owner, Thomas J. Tobin.

Englewood Ave., Ward 23, two-st'y pitch-roof dwell.; owner, A. G. Weeks.

Silver St., Ward 15, two-st'y flat-roof stable; owner, H. N. Hatch.

Chelsea St., Ward 1, two-st'y pitch-roof dwell.; owner, Mrs. Margaret Caddy.

Brooklyn.

BUILDING PERMITS. — *Diamond St.*, n e cor. Nassau Ave., three-st'y frame (brick-filled) tenement, gravel roof; cost, $4,300; owner, Wm. H. Hasselbrook, 103 Diamond St.; architect, J. J. Randall.

Clinton Ave., Nos. 312 *and* 314, 2 three-st'y brick and Jersey sandstone dwells., tin roofs; cost, $22,000; owner, Henry F. Hutchinson, 308 Clinton Ave.; architect, S. F. Eveleth.

Clifton Pl., No. 281, n s, 200' w Nostrand Ave., four-st'y brick tenement, gravel roof; cost, $12,000; owner, architect and builder, J. Graham Glover, 219 Montague St.

Reid Ave., s w cor. Greene Ave., 5 four-st'y brick store and tenements, tin roofs; cost, each, $9,500; owner, architect and builder, H. Grasman, 142 Marcy Ave.

Seventeenth St., n s, 80' w Sixth Ave., three-st'y frame tenement (brick-filled), tin roof; cost, $3,383; owner, Frederick Schwartje, Atlantic Ave., cor. Third Ave.; architect, W. H. Wirth; builders, Powderly & Murphy.

Stockton St., No. 295, n s, 125' e Sumner Ave., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $4,000; owner, Mary Murphy; architect, Th. Engelhardt.

George St., n s, 100' w Knickerbocker Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,000; owner and builder, Alex. Eschenbach, South Fifth St.; architect, Th. Engelhardt.

Central Ave., s w cor. Elm St., 4 three-st'y frame (brick-filled) store and tenements, tin roofs; cost, each, $5,000; owner and builder, John Kramer, Bushwick Ave., near Elm St.; architect, Th. Engelhardt.

Berkeley Pl., s s, 280' e Seventh Ave., three-st'y brick and freestone dwell., tin roof; cost, $12,500; owner, David A. Boodry, 206 Berkeley Pl.; architects, J. W. Walter and E. B. Sturges.

Vernon Ave., n s, 155' e Nostrand Ave., two-st'y and attic brick dwell., slate and tin roof; cost, $10,000; owner, Mrs. S. Vanderveer, Vernon Ave., cor. Nostrand Ave.; architects, Partitt Bros.; builder, A. Miller.

Greene Ave., s s, 120' e Reid Ave., 3 two-st'y and three-st'y rear brown-stone dwells., tin roofs; cost, each, $6,000; owner, B. F. Constable, on premises; architect and contractor, Jos. T. Miller; mason, W. P. Osborn.

Greene Ave., s s, 100' e Reid Ave., two-st'y and basement and three-st'y rear brown-stone dwells., tin roofs; cost, $6,000; owner, Geo. H. Smith, Greene Ave., cor. Reid Ave.; architect, J. T. Miller.

Van Brunt St., s e s, at river front, four-st'y brick storehouse, gravel roof; cost, $30,000; owner, Wm. Beard, 140 Amity St.; builders, P. Kelly & Son and H. Turver.

McDonough St., No. 399, between Stuyvesant and Reid Aves., four-st'y brick storage, tin roof; cost, $3,500; owner, John Loader, 491 McDonough St.; architect, A. Hill; builder, A. Sutterlin.

Melrose St., s s, 95' w Hamburg Ave., three-st'y frame (brick-filled) school-house, tin roof; cost, $7,000; owner, St. Leonhards Congregation, on premises; architect, G. Hillenbrand; builders, J. Wagner and W. Bayer.

Hicks St., Nos. 12, 14, w s, 25' n Cranberry St., four-st'y brick tenement, tin roof; cost, $8,500; owner, Henry Stump, 64 Hicks St.; architect, M. Thomas; builders, J. Thatcher and E. S. Boyd & Son.

Classon Ave., No. 146, e s, between Myrtle and Park Aves., three-st'y frame (brick-filled) tenement, tin roof; cost, $5,400; owner, Daniel F. Dwyer; architect, J. Platte; builders, J. T. Hanlon and C. Collins.

Seventh Ave., n e cor. Twelfth St., 3 two and three st'y brick store and dwells., tin roofs; cost, $20,000; owner, T. Brown, 381 Eleventh St.; architect, I. D. Reynolds; builder, W. Brown.

Powers St., s s, 142' e Leonard St., two-st'y frame (brick-filled) church, tin roof; cost, $7,500; owners, Trustees Methodist Episcopal Church; architect, O. H. Doolittle; builders, S. V. Hyers and O. H. Doolittle.

Myrtle Ave., n w cor. Graham St., 4 four-st'y brick stores and flats, tin roofs, wooden cornices; cost, each, $12,000; owner, Cornelius Donnelion, 116 Pacific St.; architects, G. P. Chappell & Co.

Halsey St., n s, 179' e Reid Ave., 4 two-st'y brick dwells., tin roofs; cost, each, $3,000; owners, Frederick and John Dhuy, 885 Herkimer St.; builder, J. Dhuy.

ALTERATIONS. — *Prince St.*, w s, 120' s Concord St., two cross-walls of brick; cost, $4,448; owners, Hibbers & Co., Prince St., cor. Concord St.; architect, M. J. Morrill; builders, P. Carlin & Sons.

Marcy Ave., cor. Lynch and Heyward Sts., two-st'y brick extension, wings on both sides, tin roof; cost, $35,000; owner, State of New York; architect, E. F. Gaylor; builders, W. & T. Lamb, Jr., and Jen kins & Gillies.

Chicago.

BUILDING PERMITS. — A. Engle, two-st'y dwell., 556-558 North State St.; cost, $15,000; architect, Halberg.

H. Cassard, 11 two-st'y dwells., 373-387 Thirty-third St.; cost, $20,000.

G. Bennett, two-st'y dwell., 2639 Halsted St.; cost, $3,030.

F. S. Mueller, three-st'y factory, 167-169 Indiana St.; cost, $7,000.

W. M. Hoyt, 2 four-st'y dwells., 240-242 Illinois St.; cost, $8,000.

W. M. Hoyt, 2 four-st'y dwells., 247-249 Illinois St.; cost, $8,000.

T. Kirkwood, two-st'y dwell., 852 Washington Boulevard; cost, $5,000; architect, J. W. Cassell.

F. Hauck, three-st'y shop, 224-228 Blue Island Ave.; cost, $6,000.

H. Hill, three-st'y flats, 346 Twenty-second St.; cost, $4,000.

The Board of Education, three-st'y school-house, 840-860 Twenty-first St.; cost, $58,000; architect, J. J. Flanders.

The Board of Education, three-st'y storehouse, 155-157 West Monroe St.; cost, $10,000.

P. Larsen, three-st'y addition, 120 West Huron St.; cost, $3,500.

F. Staumer, three-st'y dwell., 212 North State St.; cost, $4,000.

H. Schnell, three-st'y flats, 223 Lincoln St.; cost, $20,000; architect, C. A. Gottig.

C. Cofferta, three-st'y flats, 65 Illinois St.; cost, $3,000.

J. V. Klober, two-st'y dwell., 1-3 Ritchie St.; cost, $4,500.

H. Bower, three-st'y store and dwell., 3750 State St.; cost, $8,000.

K. Sherman, two-st'y dwell., 142 Augusta St.; cost, $5,000.

C. C. Crowhurst, 4 one-st'y cottages, 1061-1067 Elston Ave.; cost, $4,400.

W. L. Moss, agent, 3 three-st'y dwells., 3813-3817 Vincennes Ave.; cost, $16,000.

D. F. Anderson, two-st'y flats, 927 North Hoyne Ave.; cost, $2,500.

W. B. Phillips, 3 three-st'y dwells., 3319-3323 South Park Ave.; cost, $20,000.

P. W. Brownell, three-st'y dwell., 48 Bryant Ave.; cost, $4,000.

Wm. Flynn, two-store and dwell., 795 Thirty-seventh St.; cost, $4,000.

E. Hitchcock, 2 two-st'y dwells., 3251-3253 Rhodes Ave.; cost, $10,000.

G. Weiss, two-st'y dwell., 3410 Wabash Ave.; cost, $10,000.

J. Monohan, two-st'y dwell., 980 West Twelfth St.; cost, $4,500.

C. Schuelke, two-st'y dwell., 371 West Huron St.; cost, $2,500.

N. Marsh, two-st'y dwell., 362 Centre Ave.; cost, $3,500.

E. Mark, three-st'y dwell., 185 Burling St.; cost, $5,000.

F. Deke, three-st'y store and flats, 412 North Ashland Ave.; cost, $5,000.

Chicago & North Western Railway Co., engine-house, Robey and Fourteenth Sts.; cost, $12,000.

Wm. Hammerstrom, two-st'y dwell., 333 Burling St.; cost, $4,500.

Anson Kaiser, three-st'y flats, 25 Lane St.; cost, $8 000.

Chicago City Railway Co., one-st'y addition, 2001-2009 Dearborn St.; cost, $6,000.

C. Greenwold, six-st'y warehouse, 219-224 Kinzie St.; cost, $15,000.

Wm. W. Hayes, one-st'y additional, 106-108 North Sangamon St.; cost, $3,500.

C. Jevne, two-st'y dwell., 644 Lasalle St.; cost, $20,000.

W. P. Fitzpatrick, 3 two-st'y stores and dwells., Ogden Ave.; cost, $14,000.

M. A. L. Sweeney, three-st'y dwell., 375 Oak St.; cost, $12,000.

G. Paul, two-st'y flats, 618 Sedgwick St.; cost, $5,000.

B. Lindauer, two-st'y dwell., 3312 Wabash Ave.; cost, $10,000.

F. Jensen, three-st'y store and dwell., 23 Clybourne Ave.; cost, $5,000.

F. W. Verheeven, two-st'y dwell., 2410 Dearborn St.; cost, $4,500.

Mrs. A. Halsted, 2 two-st'y dwells., 708-710 North Park Ave.; cost, $8,000.

C. Farwell, repair building, 409 Fifth Ave.; cost, $5,000.

B. Rowe, three-st'y store and dwell., 277 Noble St.; cost, $7,000.

Mrs. J. Clare, two-st'y dwell., 3212 Wabash Ave. cost, $6,000.

McKey Estate, 6 three-st'y store and dwells., 3311-3321 State St.; cost, $30,000.

J. Nolan, two-st'y store and dwell., 3113 Halsted St.; cost, $3,000.

G. F. Mueller, two-st'y store and flats, 651 Centre Ave.; cost, $4,000.

D. Gawne, two-st'y dwell., 3133 Portland Ave.; cost, $2,500.

C. O. Gleason, 2 two-st'y dwells., 3720-3722 Johnson Pl.; cost, $3,500.

C. Schweegler, two-st'y dwell., 599 Lincoln St. cost, $2,500.

Aug. 8, 1885

J. C. Smith, 2 four-st'y stores and flats, 1018-1020 Madison St.; cost, $13,000.

C. Lion, store, 1155 Milwaukee Ave.; cost, $3,500.

Illinois Vault Co., one additional st'y and repairing building, 111-117 Dearborn St.; cost, $80,000; architects, Burnham & Root.

Cincinnati.

BUILDING PERMITS. — W. C. Cochran, three-st'y building, Gilliman Ave.; cost, $5,960.

Jno. Webb, Jr., 4 two-st'y brick buildings, Eden St. and Auburn Ave.; cost, $12,000.

J. Feldham, two-and-one-half-st'y building, Wheller and Warner Sts.; cost, $7,000.

Wm. More, three-st'y building, Commerce and Walnut Sts.; cost, $27,000.

F. Groveman, three-st'y building, State Ave.; cost, $5,000.

Dr. T. C. Smuk, 2 four-st'y buildings, Breeman St., cor. Thirteenth St.; cost, $10,000.

Fred. Lecke, four-st'y building, Elm St., cor. Fifteenth St.: cost, $6,000.

Miss Romer, remodel building cor. Third and Killgour Sts.: cost, $5,000.

Six repairs; cost, $6,450.

Total repairs to date, $135,363.

Permits to date, 633.

Kansas City, Mo.

BUILDING PERMITS. — J. B. Bott, business block, 1418 Walnut St.; cost, $4,500.

S. C. Fancher, frame business block, cor. Fifth and Lydia Aves.; cost, $4,000.

Trustees of the Christian Church, Summit St., frame church, 40' x 60'; cost, $4,100.

Brockett & Churchill, brick business house, 47 West Ninth St., cost, $3,000.

S. C. Fancher, frame business block, cor. Fifth and Lydia Aves.; cost, $4,000.

William Gabel, brick dwell. 612 Oak St.; cost, $4,000.

William Brendel, brick block, cor. Eighth and Charlotte Sts.: cost, $10,000.

C. H. Hartman, brick business block, cor. Fourth and Grand Aves.; cost, $4,500.

H. T. Hovelmann, dwell., 809 East Eighteenth St.; cost, $3,000.

John S. Sutherland, brick block, cor. Tenth and Cherry Sts.; cost, $6,000.

John O'Leary, frame dwell., cor. Nineteenth and Harrison Sts.; cost, $4,000.

B. Estil, frame block, Harrison St.; cost, $5,000.

Capt. Weller, brick dwell., 100 Oak St.; cost, $3,000.

James S. Mathews, brick block, Dundee Pl., cor. Tracy Ave.; cost, $5,000.

T. M. James, brick dwell., Perry Pl., cor. Harrison St.; cost, $10,000.

Minneapolis, Minn.

BUILDING PERMITS.—J. W. Tousley, two-st'y wooden tenement and barn, cor. Twenty-sixth St. and Williams Ave.; cost, $17,200.

C. P. Hazeltine, addition to wooden dwell., Portland Ave., bet. Twenty-sixth and Twenty-seventh Sts., s; cost, $3,000.

Willard B. Pinneo, two-st'y wooden dwell., Nicollet Ave., bet. Twenty-eighth and Twenty-ninth Sts.; cost, $3,500.

Coe & Forman, four-st'y brick store building, Third Ave., n, bet. Fourth and Fifth Sts.; cost, $18,000.

Joseph Menard, two-st'y brick dwell., Oliver Ave., cor. Fourteenth Ave., n; cost, $3,000.

John Booth, two-st'y wooden dwell., Pennsylvania Ave. cor. Fourteenth Ave., n; cost, $5,500.

Henry F. Brown, two-st'y wooden dwell. and barn, Aldrich Ave., bet. Seventeenth and Eighteenth Aves., n; cost, $5,000.

Minneapolis Gas Light Company, brick retort-house, Cedar Ave. cor. Nineteenth Ave., s; cost, $10,000.

New York.

CHURCH.—On Madison Ave., cor. Eighty-eighth St., a Lutheran church is to be built, from designs of Mr. Arthur Crooks.

FLAT.—On the n w cor. of Sixth Ave. and Fifty-second St., a six-st'y flat with stores, 50' x 100', brick, stone and terra-cotta, is to be built for Mr. Peter Doelger, from plans of Mr. Julius Kastner.

HOUSES. — On the s s of Seventy-second St., between Ninth Ave. and Boulevard, 5 four-st'y and basement dwells., brown-stone fronts, are to be built at a cost of $90,000, from plans of Messrs. Thom & Wilson.

On the n s of Seventy-ninth St., 350' e of Tenth Ave., 6 four-st'y and basement fireproof houses are to be built by Messrs. Hubert, Pirsson & Co.

One Hundred and Fiftieth St. and Boulevard, cottage for Mr. J. Pickering; H. G. Knapp, architect.

On the n s of One Hundred and Twenty-fourth St., 217' e of Sixth Ave., 3 three-st'y and basement houses, two 18' 4" and one 18' front, are to be built for Mr. A. G. Gabay, from designs of Messrs. Thom & Wilson.

MONUMENT.—There is a good deal of interest in regard to the plans for the Grant monument, and it is hoped that there will be an open competition.

SCHOOL. —For St. Anne's Church a brick school is to be built on Brook Ave., opposite One Hundred and Fortieth St., from plans of Mr. C. C. Haight.

BUILDING PERMITS. — *East Thirty-ninth St., No.* 144, three-st'y brick stable and coach-house, tin roof; cost, $18,000; owner, D. W. James, 40 East Thirty-ninth St.; architect, F. Jacobson; builder, George Mulligan.

West Twentieth St., Nos. 124 *and* 126, three-st'y brick stable, tin roof; cost, $20,000; owner, Hugh O'Neill, 149 West Twentieth St.; architect, M. C. Merritt.

West Thirty-sixth St., No. 67, five-st'y brick flat-tin roof; cost, $30,000; owner, Mrs. Geo. J. McGour, key, on premises; architects, D. & J. Jardine.

Thirty-ninth St., s s, 250' e Eleventh Ave., 6 five-st'y brick tenements, tin roofs; cost, each, $16,000; owner and builder, David Christie, 413 West Fifty-seventh St.

West Forty-eighth St., No. 350, four-st'y brick tenement and extension, tin roof; cost, $4,500; owner, Edward D. Bertine, 328 West Forty-seventh St.; architect, C. F. Ridder, Jr.

Tenth Ave., e s, 75' 6" n Thirtieth St., five-st'y brick tenement with stores, tin roof; owner, Robert Greacen, 427 West Thirtieth St.; architect, J. H. Valentine.

Eighty-first St., n s, 80' w Ave. A, five-st'y brick tenement, tin roof; cost, $12,000; owner, Mathias A. Schneider, 419 East Eighty-first St.; architect, Julius Kastner.

Eighty-first St., n s, 106' w Ave. A, 3 five-st'y brick tenements, tin roofs; cost, total, $50,000; owner and architect, same as last.

One Hundred and Sixth St., s w cor. Lexington Ave., four-st'y brick flat, tin roof; cost, $15,000; owner, Thos. F. Cooke, 351 East Eighty-seventh St.; architect, G. A. Schellenger.

Lexington Ave., e s, 80' 11" s One Hundred and Sixth St., four-st'y brick flat, tin roof; cost, $20,000; owner and architect, same as last.

East One Hundred and Eleventh St., No. 204, one-st'y brick stable, tin roof: cost, $4,000; owner, G. Wallace Bryant, 113 East One Hundred and Eleventh St.; architect, A. Spence.

Third Ave., w s, 25' 2" s One Hundred and Sixth St., 3 five-st'y brick (stone-front) tenements, tin roofs; cost, each, $18,000; owner, John D. Karst, Jr., 2006 Second Ave.; architect, Richard Berger; builder, J. D. Karst.

One Hundred and Nineteenth St., n s, 410' w Fifth Ave., three-st'y brick dwell., tin roof; cost, $10,000; owner and builder, James C. Miller, 359 West Forty-seventh St.; architects, McKim, Mead & White; mason, Joseph Thompson.

Eighty-fourth St., n s, 273' e Ave. A, 5 four-st'y brick (stone-front) tenements, tin roofs; cost, each, $13,500; owners, Schmidt & White, 13 Second Ave.; architect, John Brandt.

East One Hundred and Twenty-fifth St., Nos. 320 and 322, 2 five-st'y brick (stone-front) tenements, tin roofs; cost, each, $15,000; owner, Fernando Yost, 316 East One Hundred and Twenty-fifth St.; architect, A. Spence.

Seventieth St., n s, 225' e Eleventh Ave., 3 three-st'y and basement brick dwells., tin roofs; cost, each, $9,000; owner, E. Stanton Riker, Mt. Vernon, N. Y.; architect, W. H. Youngs; mason, H. A. Donnelly.

West Eighty-second St., Nos. 426-434, 5 four-st'y brick dwells., tin and slate roofs; cost, each, $25,000; owner and builder, Virgilio Del Genovese, 268 Bowery; architect, Emanuel Gandolfo.

Eighty-second St., s s, 362' 6" w Ninth Ave., 2 four-st'y brick dwells., deck roofs of tin, mansard fireproof; cost, each, $16,000; owner, Richard V. Lewis, 445 West Eighty-second St., and Henry C. Conger, 436 West Forty-third St.; architects and masons, F. & W. E. Bloodgood.

One Hundred and Nineteenth St., n s, 426' 8" w Fifth Ave., 3 three-st'y brick (stone-front) dwells., tin roofs; cost, each, $8,000; owners and builders, John Miller, 753 Seventh Ave., Wallace Van Dorn, 304 West Thirtieth St., and Joseph Thompson, 256 West Fifty-second St.; architect, J. E. Terhune; mason, Joseph Thompson.

One Hundred and Forty-sixth St., s s, 240' e Tenth Ave., four-st'y brick flat, gravel roof; cost, $10,000; owner, John Donnellon, One Hundred and Forty-sixth St., near S. Nicholas Ave.; architect, B. W. Warner; builders, J. & T. Donnellon.

One Hundred and Sixty-seventh St., s s, 175' e Tenth Ave., three-st'y brick tenement, tin roof; cost, $4,000; owner and builder, Frank Lober, One Hundred and Sixty-sixth St., near Tenth Ave.; architect, Wm. Simpson.

St. Nicholas Ave., e s, 152' s One Hundred and Thirty-third St., 4 five-st'y brick dwells., with extensions, tin roofs; cost, each, $18,000; owner and builder, H. J. Beaudet, 1437 Lexington Ave.; architect, J. H. Valentine.

Eighth Ave., s e cor. One Hundred and Thirty-first St., 2 five-st'y brick tenements, tin roofs; owner, O. C. Ferris, 762 Madison Ave.; architect, J. H. Valentine.

One Hundred and Thirty-first St., s s, 76' 6' e Eighth Ave., four-st'y brick store and tenement, tin roof; owner and architect, same as last.

One Hundred and Thirty-first St., s s, 227' w Fifth Ave., 6 three-st'y brick (stone-front) dwells., tin roofs; cost, each, $10,000; owner, Michael Sampter, Fifth Ave., s w cor. One Hundred and Thirty-first St.; architects, Cleverdon & Putzel.

Morris Ave., w s, 53' 3" s One Hundred and Forty-ninth St., three-st'y brick tenement, tin roof; cost, $10,000; owner, Henry Fallerman, 418 East One Hundred and Forty-ninth St.; architects, Schmidt & Garvin.

West Fiftieth St., Nos. 539 *and* 541, 2 five-st'y brick tenements, tin roofs; cost, $11,000 and $13,000; owner, Jacob Schneider, 537 West Fiftieth St., and James Stroh, 533 West Fiftieth St.; architect, James W. Cole; builder, John Jordan.

Fifth Ave., s e cor. Sixty-ninth St., four-st'y brick dwell., slate roof; cost, $90,000; owner, Ogden Mills, 35 Wall St.; architect, R. M. Hunt; builder, D. H. King, Jr.

Sixty-eighth St., s s, 120' w Third Ave., three-st'y brick stable, tin roof; cost, $15,000; owner, Joseph J. O'Donohue, 44 West Fifty-fourth St.; architect, J. M. Dunn; builders, Michael Reid and John Murphy.

Lexington Ave., No. 1773, three-st'y and basement brick (stone front) dwell., tin roof; cost, $8,000; owner, Hannah M. French, 152 East One Hundred and Eleventh St.; architect, A. Spence.

Seventy-second St., s s, 300' e Tenth Ave., 5 four-st'y and basement brick (stone front) dwells., tin roofs; cost, each, $25,000; owner, Geo. J. Hamilton, 2078 Fifth Ave.; architects, Thom & Wilson, builder, not selected.

One Hundred and Sixteenth St., n s, 100' w New Ave., 3 three-st'y brick dwells., tin roofs; cost, each, $8,000; owner, Howard D. Hamm, 162 East One Hundred and Twenty-third St.; architects, Cleverdon & Putzel.

One Hundred and Thirty-first St., n s, 75' w Sixth Ave., 4 three-st'y brick (stone front) dwells., tin roofs; cost, each, $10,000; owner, Samuel O. Wright, West One Hundred and Thirtieth St.; architects, Cleverdon & Putzel.

One Hundred and Thirty-second St., s s, 375' w Sixth Ave., 3 three-st'y brick (stone front) dwells., tin roofs; cost, each, $9,000; owner, S. J. Wright, 201 West One Hundred and Thirtieth St.; architects, same as last.

Eighth Ave., w s, 149' 11" s One Hundred and Thirty-third St., 3 five-st'y brick tenements with stores, tin roofs; cost, each, $18,000; owner and builder, Homer J. Beaudet, 1437 Lexington Ave., architect, J. H. Valentine.

St. Nicholas Ave., e s, 75' n One Hundred and Twenty-sixth St., 3 three-st'y brick dwells., tin roofs; cost, each, $10,000; owner, Nassau Building Co., 20 Nassau St.; architect, A. I. Finkle.

Grounds of St. John's College, Fordham, 500' n Pelham Ave., three-st'y stone boiler-house, slated roof; cost, $35,000; owner, Rev. P. P. Dealy, St. John's College, Fordham; architect, P. C. Kelly; builders, McGivney & McLoughlin and J. Rodgers.

Courtlandt Ave., s e cor. One Hundred and Fifty-ninth St., 2 four-st'y brick tenements, tin roofs; cost, $7,500 and $10,000; owner, Wm. Wolfarth, cor. Courtlandt and One Hundred and Fifty-eighth St.; architect, Wm. Kusche.

ALTERATIONS. — *Third Ave., No.* 755, altered for double tenement above store floor, new show-window; cost, $5,000; owner, M. P. Breslin, 114 East Seventieth St.; architect, J. B. Franklin; builder, J. Young.

Sixth Ave., No. 330, two-st'y brick extension, irregular tin roof; cost, $6,000; owners, Henry Moffet, et al., trustees, 328 Sixth Ave.; architect, H. R. Marshall.

West Forty-seventh St., No. 13, two-st'y and basement brick extension, tin roof; cost, $10,000; owner, Charles F. Southmayd, on premises; architect, W. Schickel; builders, J. Webb & Son and J. Downey.

East Fourteenth St., No. 20, new iron front; cost, $3,800; owner, W. J. Fielding, New Britain, Conn.; architect, A. Craig; builders, Jones, Archer & Co.

West Forty-fifth St., No. 226, raised two stories; cost, $6,000; rector, S. M. Brown, on premises; architect, S. D. Hatch; builders, R. L. Darragh & Co.

Courtlandt Ave., Nos. 624 *and* 626, raised one st'y also three-st'y frame extension, tin roofs; cost, $3,500; owner, Jacob Sauter, 502 East Seventeenth St.; builder, L. Sauter.

Fifth Ave., No. 483, five-st'y and one-st'y brick extension, tin roofs; cost, $10,000; owner, James McCreery, Inwood; architect, John Sexton; builder, E. H. Miller.

Fourth Ave., No. 107, attic raised to full story, also internal alterations; cost, $5,000; owners, Wm. T. Smith and Percival C. Smith, Great Neck, L. I.; architects, Burger & Baylies.

West Thirty-eighth St., No. 439, one-st'y brick extension, tin roof; cost, $5,000; owners, T. C. Lyman & Co., 418 West Thirty-eighth St.; architects, Lederle & Co.

Philadelphia.

BUILDING PERMITS. — *Chew Ave.*, cor. Chelton Ave., 2 three-st'y dwells., 18' x 48'; Jas. Morris, contractor.

Fifty-first St., cor. Florence St., two-st'y dwell., 16' x 30'; And.Ately, contractor.

Sixty-fourth St., cor. Elmwood Ave., two-st'y dwell., 32' x 42'; Jno. Wood, contractor.

Forty-ninth St., n e cor. Paschall St., 2 two-st'y dwells., 14' x 40'; Jno. Wood, contractor.

Second St., s w cor. Moore St., 3 two-st'y dwells., 15' x 50'; Dunbar & Myers, contractors.

Germantown Ave., No. 1425, three-st'y dwell., 20' x 64'; E. Schmidt, contractor.

Germantown Ave., No. 1425, brewery, 10' x 39'; E. Schmidt, contractor.

Germantown Ave., No. 1423, bottling-house and stable, 16' x 42' and 20' x 60'; E. Schmidt, contractor.

Germantown Ave., No. 1423, three-st'y dwell., 20' x 64'; E. Schmidt, contractor.

Malvern St., s of Clearfield St., 2 two-st'y dwells., 18' x 42'; J. K. Pyle, owner.

Funk St., cor. Ditman St., two-st'y dwell., 16' x 45'; Duryea & Childs, contractors.

Funk St., cor. Ditman St., two-st'y dwell., 25' x 30'; Duryea & Childs, contractor.

North Ninth St., No. 2613, two-st'y store and dwell., 18' x 55'; F. A. Colamer, contractor.

Fairhill St., n Lehigh Ave., two-st'y dwell., 17' x 44'; F. A. Colamer, contractor.

Sixteenth St., above Columbia Ave., 5 three-st'y dwells., 18' x 68'; C. M. Baker, owner.

Coral St., n Adams St., one-st'y addition 45' x 160'; S. Humphries, contractor.

Memphis St., above Montgomery Ave., 2 two-st'y dwells., 16' x 38'; S. Humphries, contractor.

Amboy St., No. 1616, addition to dwell., 16' x 35'; J. F. Hutzell, owner.

Gowen Ave., two-st'y dwell., 30 x' 45'; W. R. Dougherty, contractor.

Ashmead St., e Morris St., three-st'y dwell., 16' x 30'; W. E. Carr, contractor.

Filbert St., No. 171, five-st'y store, 20' x 117' C. D. Supplee, contractor.

Kirkbride St., s w cor. Garden St., three-st'y store and dwell., 18' x 50'; A. W. Linn, contractor.

Fifteenth St., cor. Race St., two-st'y store, 18' x 35'; Geo. Watson, contractor.

Catharine St., No. 1432, three-st'y dwell., 18' x 62'; Jno. Eccles, contractor.

Germantown Ave., s Coulter St., three-st'y brick building, 20' x 48'; W. Mackey, contractor.

Chelton Ave., near Chew St., two-st'y dwell., 16' x 42'; W. Mackey, contractor.

St. Louis.

BUILDING PERMITS. — Thirty-two permits have been issued since our last report, ten of which are for unimportant frame houses. Of the rest those worth $2,500 and over are as follows: —

H. A. Abele, two-st'y brick dwell.; cost, $3,000; contractor, Jos. Stander.

J. H. Degenhardt, two-st'y brick dwell.; cost, $2,500; contractor, A. Lugree.

Boehr & Blogmann, two-st'y double brick dwell.; cost, $3,850; contractors, J. & C. Lingemann.

Mr. Herkomer has been elected Slade University. He succeeds Mr. Ruskin.

— OF NEW PARIS. — Stories sometimes nger than the disclosures of our own l of starvation at Montrouge, after a was known in the humble society s as Le Père Fallais, but under the , he lived in great luxury. He was work for opening the Boulevard St. d through his hands. He afterward ate speculations and lived for a time woman whom he had promised to tortune he expected, but as the for- e and turned him on the streets. He hish one night last week, insensible l to a hospital, but died the next r three days.—*Pall Mall Gazette.*

—The splendid new National Museum most precious art treasures of the ent and worthy home, was inaugu- eremony. The building, a magnifi- e, erected by the celebrated architect, ed in 1876, and has cost, from first ilders. At the time of the Interna- , the chief entrance to which was new Museum, the latter was so far by the Prince of Wales and the laced in one of its principal saloons. e done, and now the whole is com- Dutch National Museum, with its st and most valuable institutions of

um are united many fine collections, Among them are included the re- dle of Amsterdam, the Museum Van n, the Netherlands Museum at The Drawing. Many of the masterpieces ool are among the collection. The simply as a gallery of paintings and l of the industrial arts and of draw- g under the management of the hort, the National Museum will be e South Kensington of the Nether- *Sta*

Panthéon was begun in 1758, under t. The edifice was destined in the rch of Ste. Geneviève, which threat- Louis XV laid the first stone of the nillot owes his celebrity. The work ted obstacles, and when the Revolu- unfinished. The edifice, therefore, orship when the Constituent Assem- rious dead, placing on it the follow- *s la Patrie reconnoissante.*" Besides Rousseau, the honors of the Pan- Revolution to Lepelletier of St. Far- place of the shining cross, cut by *fronton* the figure of La Patrie or design that inspired David in the n the tympanum. Other sculptured estibule. A statue of Fame was to was necessary to change the summit work, begun for this purpose, but ution, after having the body of Mar- n, again become the Church of Ste. used for the burial of senators and ation the remains of Voltaire and from the edifice and thrown into a *onton* and the group of republican lay for a long time in a shed in a These acts of iconoclasm were palli- apotheosis of Ste. Geneviève by the second cupola. The resolution of ted the Panthéon to the destination ably, and replaced on it the original e buried within it. The magnificent memory of that restoration, for the of the citizens killed during the Days disappeared. The Government of oup and bas-reliefs of the Revolution a group representing Ste. Geneviève he Republic of 1848 made no change physician, M. Foucaux, arranged in atus that visibly demonstrated the In December, 1851, a decree, signed rder of 1830, that is, took away the restored it a second time to Catholic ans with a dean was shortly after- in. It is this decree of 1851, which Grévy has abolished to return to the Louis Philippe. The Panthéon — as the form of a Greek cross and is 369 e dome is 272 feet high and is crowned lantern is 390 feet above the level of e the level of the sea. — *Boston Tran-*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

322,906. BEVEL AND MITER. — Samuel S. Colt, Orange, N. J.

322,917. ROOFING-TILE.—John E. Donaldson, Montezuma, Ind.

322,955. PLANING-MACHINE.—Henry A. Holt, Wilton, N. H.

322,944. DOOR-BOLT. — Ralph G. Leininger, Philadelphia, Pa.

322,957. HYDRAULIC-RAM ELEVATOR. — Joseph Moore, San Francisco, Cal.

322,961. SEWER-GAS CHECK FOR SINKS. — James Neale, Bridgeport, Conn.

322,790. ASPHALTIC TILING AND PAVING MATERIAL.—Judson Rice and Andrew Steiger, San José, and Isaac L. Thurber, Santa Cruz, Cal

322,996. ROOFING-PLATE. — Josef Sporny and Ian Zarski, Warsaw, Russia.

323,008. BEVEL-PROTRACTOR. — Thomas B. Williams, Orange, Mass.

323,017. PIPE AND MONKEY WRENCH. — George S. Armstrong, Denver, Col.

323,018. HINGE.—Sullivan H. Atkins, Lynn, Mass.

323,020. SASH-FASTENER. — John Y. Bessoll, Cincinnati, O.

323,030. PORTABLE HOUSE.— William Elford, Oakland, Cal.

323,063. LATCH.—Milton C. Niles, Oak Park, Ill.

323,077. BEVEL. — George W. Rice, Manistique, Mich.

323,083. BRICK-MACHINE. — William H. Stewart, Boonville, Mo.

323,092. FIRE-ESCAPE.—Leopold Werner, Newark, N. J.

323,110. CORNICE AND CEILING DECORATIONS. — August Carlewitz, Newark, N. J.

323,128. METHOD OF AND COMPOUND FOR PRESERVING STONE.—Thomas Egleston, New York, N.Y.

323,140. FIRE-ESCAPE. — Henry Gollings, Beltzhoover, Pa.

323,152. PAINTERS' SCAFFOLD.—William T. Howes, White Heath, Ill.

323,160. AUTOMATIC FIRE-EXTINGUISHER AND ALARM.—Geo. W. Landon, Baltimore, Md.

323,165. DEVICE FOR OPENING DOORS.—Samuel H. Law, Brooklyn, N. Y.

323,191. WINDOW-MIRROR. —Siegfried L. F. Meldohn, Milwaukee, Wis.

323,198. BIT-STOCK.—George H. Puckwood, Tampa, Fla.

323,209. COMBINED RADIATOR AND HEATING-OVEN.—Louis C. Rodier, Detroit, Mich.

323,218. PLOTTING-SCALE. — Frederick E. Shaw, Valley Falls, R. I.

323,229. MACHINE FOR SAWING SPOUTS. — Charles M. Strobridge and William Houghton, Merrill, Wis.

323,232. SHUTTER-FASTENER.—George J. Thomas, Newton, Mass.

323,235. HOT-WATER OR STEAM-RADIATOR.—Samuel D. Tompkins, Jersey City, N. J., and John N. Matlock, Brooklyn, N. Y.

323,288. FIRE-ESCAPE.—Mary A. Arrowsmith, Freehold, N. J.

323,300. VENTILATOR.—Vesper Dorneck, Indianapolis, Ind.

323,308. DOOR-OPENER. — Julius Fluck, San Francisco, Cal.

323,338. WINDOW-AWNING.—William Jolliffe, Baltimore, Md.

323,348. BRICK-PRESS.—Hiram Lupher, Tullahoma, Tenn.

323,363. PROCESS OF MAKING WROUGHT-IRON. — William Price, McKeesport, Pa.

SUMMARY OF THE WEEK.

Baltimore.

BUILDING PERMITS. — Since our last report twenty permits have been granted, the more important of which are the following: —

Henry Hudson, three-st'y brick building, s w cor. Chesapeake and Dillon Sts., and 2 two-st'y brick buildings, e s Harris Alley, rear of above.

A. L. Gorter, 3 three-st'y brick buildings, e s Maryland Ave., n of Preston St.

J. A. Pixie, 4 two-st'y brick buildings, s s West St., commencing s w cor. China Alley.

Henry Roth & Co., 2 three-st'y brick buildings, n s Lombard St., w of Castle St.

A. Hauneman, 5 two-st'y brick buildings, w s Wolfe St., commencing s w cor. Hanneman Ave.

John E. Toole, 2 three-st'y brick buildings, n e s Druid Hill Ave., between Eutaw and St. Mary's Sts.

John F. Stone, 6 three-st'y brick buildings, e s Battery Ave., n of Clement St.

F. W. Malders, 5 three-st'y brick buildings and two-st'y brick stable, commencing s w cor. Calhoun and Lexington Sts.

Boston.

BUILDING PERMITS. — *Wood.* — *Cushing Ave.*, near Sawyer Ave., dwell., 27′ x 30′; builder, Wm. Gwynn.

Quincy St., near Cherry St., dwell., 22′ x 30′; owner, Dennis Higgins; builder, A. Nobble.

Ocean St., cor. Ashmont St., dwell., 26′ x 30′; owner, Josephine Gerry; builder, John Bass.

Norfolk St., cor. Wentworth St., stores and halls 40′ x 40′; owner, G. W. Chipman, builder, Benjamin Rockwell.

Paris St., near Marion St., shed, 17′ x 40′; locker, 18′ x 30′; owner, City of Boston, Sewer Department.

Brooklyn.

BUILDING PERMITS.—*Cooper Pl.*, e s, 100′ s Herkimer St., 6 two-st'y brick dwells., tin roofs; cost, each, $3,000; owner, J. Pickering, New York City; architect, J. Platte; builder, J. Peters.

Nostrand Ave., n e cor. Quincy St., 5 four-st'y brown-stone stores and flats, tin roofs; cost, $7,000 and $8,500 each; owner and builder, Wm. Johnson, 224 St. John's Pl.; architect, I. D. Reynolds.

McDonough St., n s, 115′ w Lewis Ave., three-st'y brown-stone dwell., tin roof; cost, $7,000; owner, W. A. Welch, 255 Decatur St.; architect, I. D. Reynolds.

Eleventh St., s s, 215′ 10″ w Seventh Ave., 3 three-st'y brick flats, tin roofs; cost, total, $10,000; owner, J. Jack, 454 Ninth St.; architect, G. W. Bush; builders, J. Crouch and W. Brown.

Greenpoint Ave., *Nos.* 241 *and* 243, n s, 150′ w Provost St., 2 four-st'y frame (brick-filled) tenements, tin roofs; total cost, $12,000; owner, Eugene Pitou, 201 Hewes St.; architect, Th. Engelhardt; builders, M. Metzen and J. Reed.

Seventeenth St., s s, 100′ e Fourth Ave., 5 two-st'y brick and brown-stone dwells., tin roofs; cost, each, $4,500; owner and architect, Geo. Ingram, 752 Fifth Ave.; builder, not selected.

Halsey St., s s, 100′ e Lewis Ave., 7 two-st'y brick and brown-stone dwells., tin roofs; cost, $4,800; owners and builders, Lambert & Mason, 148 Putnam Ave.; architect, I. D. Reynolds.

Manhattan Ave., w s, 218′ n Fourth St., four-st'y brown-stone tenement, gravel roof; cost, $6,000; owner, C. N. Gerard, Baldwins, L. I.; architect, E. B. Ackerly.

Jefferson St., n s, 210′ w Marcy Ave., 4 three-st'y brown-stone dwells., tin roofs; cost, each, $9,000; owner and builder, Geo. P. Phillips, 177 Hancock St.

Putnam Ave., n s, 450′ e Tompkins Ave., 5 two-st'y brown-stone dwells., tin roofs, wooden cornices; cost, each, $4,500; owner and builder, Arthur Taylor, 409 Herkimer St.

Manhattan Ave., *No.* 505, w s, 75′ n Freeman St., four-st'y brick store and tenement, gravel roof; cost, $8,000; owner, Alonzo De Witt, 76 Green St.; architect, F. Weber; builders, J. Hafford & Son and J. Fallon.

Melrose St., n s, 200′ w Knickerbocker Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,000; owner and contractor, Caspar Gessmann, 138 Ellery St.; architect, G. Hillenbrand; mason, C. Wahle.

Evergreen Ave., w s, 25′ n Van Voorhees St., two-st'y frame (brick-filled) dwell., tin roof; cost, $3,000; owner and builder, Fred. H. Skiid, 241 Lynch St.; architect, Th. Engelhardt.

Pier southwest of Harrison St., one-st'y frame shed, gravel roof; cost, $5,000; owner, Estate of Chas. Kelsey, 156 Columbia St.; architect, S. C. Halstead; builder, J. Bulck.

George St., s s, 250′ w Knickerbocker Ave., 3 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $2,900; owner and contractor, A. Annan & Co., 269 Devoe St.; architect, G. Hillenbrand; mason, J. Auer.

George St., s s, 225′ w Knickerbocker Ave., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $4,000; owner, etc., same as last.

Ann St., n w cor. Commercial St., three-st'y brick office, gravel roof; cost, $3,000; owner and architect, Havemeyer Sugar Refining Co.; builders, J. B. Woodruff and D. Wheedon.

Cook St., *No.* 11, n s, e Ewen St., three-st'y frame tenement, tin roof; cost, $4,000; owner, Mrs. Anna Fraas, on premises; architect, Th. Engelhardt; builder, J. Rauth.

Troutman St., s s, 275′ w Hamburg Ave., three-st'y frame (brick-filled) tenement; cost, $4,500; owner and builder, Fritz Salmon, 172 Jefferson St.; architect, Th. Engelhardt.

Hamilton Ave., *Nos.* 191-197, e s, 30′ s Cole St., 4 two-st'y brick stores and dwells., gravel roofs; cost, each, $3,000; owner, architect and builder, J. F. Nelson, 26 Manhassett Pl.

ALTERATIONS. — *Henry St.*, *Nos.* 94 *and* 98, add one st'y, cost, $3,500; owner, John S. Sharpe, Main St.; builders, J. Gilfoyle and W. S. Wright.

Grand St., *Nos.* 22 *and* 24, cor. First St., five-st'y brick extensions, tin roof, new front on Grand St., and interior alterations, iron-work; cost, $12,000; owner, D. Allers, on premises; architect, E. F. Gaylor; builders, M. Smith and Jenkins & Gillies.

Butler St., n s, 200′ e Court St., three-st'y brick extension, tin roof; cost, $6,000; owner, St. Francis College, on premises; builders, J. J. Gallagher and M. Freeman's Sons.

Manhattan Ave., *No.* 568, raised twelve feet, frame story beneath; also two-st'y frame extension, tin roof, cost, $3,500; owner, Jo-eph Beaver, on premises; architect, M. D. Randall; builder, S. W. Randall.

South Portland Ave., s e cor. Hanson Pl., two-st'y brick extension, tin roof, new rear wall and interior alterations; cost, $11,000; owner, Hanson Pl. Baptist Church; architect and contractor, J. N. Smith; mason, J. De Mott.

Chicago.

CHURCH.—Adler & Sullivan, architects, planned Zion Temple on Ogden Ave., near Washington Boulevard, 65′ x 115′, brick, stone and terra-cotta front; cost, $35,000.

DWELLINGS. — Plans are just completed by Adler & Sullivan, architects, for two-st'y basement, mansard and tower roof dwell., at 3312 Wabash Ave., for B. Lindauer; cost, $25,000.

The same architects have plans completed for dwell. cor. Prairie Ave. and Ohio St., 25′ x 75′, two-st'y and mansard, Anderson pressed-brick and brown-stone; cost, $13,000.

Same architects planned the dwell. 2915 Prairie Ave. for Henry Stern, 25′ x 80′, two-st'y and mansard, Anderson brick and brown-stone; cost, $13,000.

BUILDING PERMITS. — J. V. Clark, 6 stores, 736-744 Halsted St.; cost, $5,000.

J. L. Gregaree, two-st'y dwell., 1076-1078 Genesee St.; cost, $5,200.

H. R. Cable, two-st'y dwell., 110-114 Cass St.; cost, $40,000; architects, Cobb & Frost.

Sawyer & Lombard, 2 two-st'y dwells., 879-881 Sawyer Ave.; cost, $6,000.

Sawyer & Lombard, 2 two-st'y dwells., 891-893 Kinzie Ave.; cost, $6,000.

F. Woodruff, two-st'y flats, 1047 Taylor St.; cost, $2,800.

H. C. Jacobs, 2 two-st'y dwells., 156-161 Thirtieth St.; cost, $7,000.

Mrs. A. Blantz, 2 two-st'y dwells., 934-938 Van Buren St.; cost, $4,000.

A. Beck, additional st'y, 392-394 Clark St.; cost, $4,500.

Mrs. E. Wells, two-st'y dwell., 36 Union Park Pl.; cost, $3,500.

J. L. Lombard, 2 two-st'y dwells., 881-883 Kinzie Ave.; cost, $6,000.

C. B. Sawyer, 4 two-st'y dwells., Sawyer Ave.; cost, $12,000.

G. F. Beck, 2 two-st'y stores and dwells., 257-259 Carpenter St.; cost, $8,000.

F. Volradt, two-st'y store and dwell., 952 Twenty-first St; cost, $3,500.

J. Penshorn, two-st'y dwell., 188 Eighteenth St.; cost, $3,300.

M. Mojewski, three-st'y store and dwell., 779 Milwaukee Ave.; cost, $7,000.

Mrs. A. Honkamp, two-st'y dwell., 3747 Prairie Ave.; cost, $5,000.

Mrs. O'Connell, two-st'y dwell., 428 Taylor St.; cost, $3,700.

Dr. Gurnea, three-st'y store and dwell., 3258 Wentworth Ave.; cost, $5,500.

H. L. Parmelee, 2 two-st'y dwells., 963-971 Clifton Park Ave.; cost, $3,500.

H. Schwaegerman, two-st'y store and dwell., 709 West Lake St.; cost, $4,000.

S. H. Wheeler, 8 two-st'y dwells., 826-832 Warren Ave.; cost, $40,000.

G. M. Hall, two-st'y dwell., 998 West Adams St.; cost, $5,000.

J. Schwegor, two-st'y addition, 613 West Fifteenth St.; cost, $2,500.

F. Koupasek, three-st'y dwell., 166 Bunker St.; cost, $4,300.

A. C. King, three-st'y flats, 231 Michigan Ave.; cost, $12,000.

Mrs. M. Patrick, two-st'y flats, 3831 Wabash Ave.; cost, $2,500.

Mrs. H. E. Simpson, two-st'y flats, 3833 Wabash Ave.; cost, $2,500.

J. Jenson, two-st'y dwell., 662-664 Shober St.; cost, $3,500.

J. Hoffmann, two-st'y store and dwell., 3558 Halsted St.; cost, $5,000.

M. Dougherty, 2 three-st'y stores and flats, 267-269 West Indiana St.; cost, $10,000.

P. Regan, two-st'y dwell., 353 West Fifteenth St.; cost, $2,800.

B. Conlin, two-st'y store and dwell., 1160 North Western Ave.; cost, $3,800.

A. Schroeder, two-st'y dwell., 99-101 Kendall Ave.; cost, $3,500.

R. Watts, three-st'y store and dwell., 691 Van Buren St.; cost, $5,000.

H. Hemmelgarn, two-st'y dwell., 719 Fullerton Ave.; cost, $15,000.

H. B. Safford, two-st'y flats, 912 Thirty-sixth St.; cost, $2,800.

C. B. Sawyer, 2 two-st'y dwells., 859-861 Sawyer Ave.; cost, $6,000.

Emanuel M. E. Church, one-st'y church, 261-265 Marshfield Ave.; cost, $14,000.

Erie St. M. E. Church, one-st'y church, 607-611 West Erie St.; cost, $7,000.

O. H. Helm, basement, Melton Ave.; cost, $2,500.

M. Kurzynski, two-st'y dwell., 730 Noble St.; cost, $3,700.

Mrs. Goodnow, 2 two-st'y dwells., 743-747 Fairfield Ave.; cost, $4,500.

P. Rice, two-st'y store and dwell., 151-153 North Western Ave.; cost, $4,000.

Geo. Morris, 4 three-st'y dwells., 1901-1909 Clark St.; cost, $15,000.

Geo. Morris, 3 three-st'y store and dwells., 185-187 Twentieth St.; cost, $10,000.

W. H. Maple, 3 two-st'y dwells., 41-45 Campbell Park Ave.; cost, $7,500.

Chas. Forester, 2 two-st'y dwells., 510-512 Austin Ave.; cost, $4,000.

C. P. Dewey, two-st'y dwell., 634-638 Lake Park Ave.; cost, $20,000.

J. M. Love, two-st'y dwell., 3132 Calumet Ave.; cost, $27,000.

D. A. Tilcomb, two-st'y store and dwell., 126 North West Ave.; cost, $4,000.

J. McIlenry, two-st'y store and dwell., 119 Fullerton Ave.; cost, $3,000.

W. B. Barber, three-st'y store and dwell., 47 State St.; cost, $10,000; architects, Thomas & Rogers.

B. Hagaman, two-st'y dwell., 3133 Calumet Ave.; cost, $10,000.

J. Bergstein, three-st'y dwell., 253 Fremont St.; cost, $5,000.

Mrs. S. E. Hale, 2 two-st'y dwells., 3208-3210 Calumet Ave.; cost, $10,000; architect, A. Smith.

F. G. Seivert, three-st'y flats, 578 North Market St.; cost, $7,000; architect, H. Riley.

C. Venn, two-st'y dwell., 78 Cornell St.; cost, $4,500.

Thos. Kavanaugh, two-st'y flats, 926 West Twelfth St.; cost, $4,500.

H. Raupeke, one-st'y factory, 350-362 North Sangamon St.; cost, $10,000.

C. H. Adams, two-st'y store and dwell., 424-426 North Halsted St.; cost, $7,000.

C. Seipp, 3 two-st'y dwells., 3000-3004 Groveland Park Ave.; cost, $21,000.

R. H. Peters, three-st'y dwell., 267 Lasalle Ave.; cost, $2,500.

E. Ledger, 3 two-st'y dwells., 3228-3230 South Park Ave.; cost, $10,000; architect, C. Palmer.

Aug 15, 1885

R. E. Shimmin, two-st'y dwell., 535 West Jackson St.; cost, $4,000.

Kansas City, Mo.

BUILDING PERMITS. — H. Cree, brick house, cor. Twenty-first and McGee Sts.; cost, $3,000.

H. Tobener, block cor. Fifteenth and Oak Sts.; cost, $5,500.

L. Huth, block, 705 and 707 Penn St.; cost, $7,500.

W. H. Allen, block on Tracy Ave.; cost, $4,500.

Mrs. M. B. Reardon, brick house, 565 Grand Ave.; cost, $3,000.

Deardorff Estate, four-st'y brick business block, 1101 Main St.; cost, $65,000.

Isaac Gordon, brick business building, 812 Main St.; cost, $3,000.

New York.

CHURCHES. — The Trustees of the old Epiphany House are to have a brick church, 80′ x 98′ on Stanton St., between Norfolk and Essex Sts., to cost $50,000, from designs of Mr. C. C. Haight.

A Presbyterian Church is to be erected on East Seventy-second St. and Second Ave., on a lot 100′ x 102′.

HOUSES. — For Mr. L. Weissman a four-st'y stone house, 25′ x 87′, is to be built at No. 1 East Eightieth St., at a cost of $50,000, from plans of Messrs. A. Zucker & Co.

On the s s of Seventy-eighth St., 175′ e of Fifth Ave., six houses are to be built by Messrs. C. Graham & Sons.

BUILDING PERMITS. — *Baxter St., No.* 145, five-st'y brick tenement, gravel roof; cost, $18,500; owner, Thomas H. Wilcox, 327 West Ninety-second St.; architect and mason, Geo. W. Hughes; builders, Breen & Nason.

Grand St., n e cor. Wooster St., five-st'y brick and iron front store, tin roof; cost, $40,000; owner, Wm. W. Winans, 3 East Forty-seventh St.; architect, G. W. Da Cunha.

Sullivan St., e s, 95′ s Houston St., granite basement of proposed church; cost, $30,000; owners, Church of St. Anthony of Padua, Rev. Father Anacletus, 106 Sullivan St.; architect, Arthur Crooks; builders, James P. Murphy and James Thompson.

Thirty-ninth St., n s, 580′ w Eleventh Ave., one-st'y brick building, tin roof; cost, abt. $5,000; owners, Stern & Metzger, Fortieth St., w of Eleventh Ave.; architect, John McIntyre.

Sixteenth St., s s, 40′ w First Ave., four-st'y brick flat, tin roof; cost, $9,000; owner, Nicholas Duffy, 346 East Sixteenth St.

East Forty-second St., No. 514, three-st'y brick tenement, tin roof; cost, $4,000; owner, John Ryan, 512 East Eighty-second St., architect, J. Brandt.

East One Hundred and Twentieth St., No. 325, two-st'y brick dwell., felt and gravel roof; cost, $5,000; owner, William Reichert, 327 East One Hundred and Twentieth St.; architect, Chas. Baxter; builder, A. B. Edwards.

Second Ave., e s, One Hundred and Tenth to One Hundred and Eleventh St., 8 five-st'y brick tenements with stores, tin roofs; cost, cor. buildings, each, $19,000, others, each, $17,000; owners, Riley & Cunningham, 416 East One Hundred and Fifteenth St.; architect, John Brandt.

Seventy-first St., n s, 338′ e First Ave., five-st'y brick tenement, tin roof; cost, $10,000; owner, Mary Brosemer, 2225 First Ave.; architect, F. S. Barus.

One Hundred and Seventh St., s s, 94′ e Third Ave. six-st'y brick storehouse, tin roof; cost, $16,000, owner and builder, Thomas McManus, 709 Lexington Ave.; architect, J. H. Valentine.

East One Hundred and Twenty-third St., No. 367, one-st'y brick dwell., and one-st'y brick store, tin roofs; cost, total, $7,000; owner, Edward Roberts, 1777 Third Ave.; architect, Andrew Spence.

Sixtieth St., n s, 320′ e Ninth Ave., 3 three-st'y brick (stone-front) dwells., tin roofs; cost, each, $8,000; owner, Gideon E. Fountain, 59 East Seventy-ninth St.; architects, A. B. Ogden & Son.

Sixtieth St., n s, 175′ e Ninth Ave., 8 three-st'y brick (stone-front) dwells., tin roofs; cost, each, $8,000; owner, John Davidson, 116 East Fifty-sixth St.; architects, A. B. Ogden & Son.

West One Hundred and First St., No. 611, three-st'y and basement brick dwell., tin roof; cost, $13,000; owner, Harriet L. Pond, Tenafly, Bergen Co., N. J.; architect, W. Holman Smith; builders, Norman Andruss and Outwater & Felter.

Bathgate Ave., No. 1878, two-and-one-half-st'y frame store and tenement; cost, $3,000; owner, Caroline Haas, 1872 Bathgate Ave.; architect, J. C. Kerby.

Ryder Ave., s w cor. One Hundred and Forty-fourth St., three-st'y brick tenement, felt and gravel roof; cost, $4,000; owner, Michael O'Neil, 484 East One Hundred and Forty-second St.; architect, Geo. La Coste.

Washington Ave., e s, 80′ n One Hundred and Seventy-sixth St., three-st'y brick dwell., deck roof tinned, mansard slated; cost, $10,000; owner, C. A. Becker, Tremont, New York City; architect, Geo. K. Thompson; builder, James E. Dolan.

ALTERATIONS. — *Thirty-ninth St.*, n s, 225′ e First Ave., one-st'y brick extension, iron and slate roof; cost, $13,000; owners, Equitable Gas Light Co., Fortieth St. and First Ave.; architect, A. W. P. Cramer; builder, R. Deeves.

Clinton Pl., No. 91, attic raised to full st'y; cost, $5,000; H. W. Poor, 45 Wall St.; builders, A. G. Bogert & Bro.

Monroe St., No. 200, internal alterations in schoolhouse; cost, $14,000; owners, the mayor, aldermen, etc.; architect, D. J. Stagg; builder, F. Mitchell.

Wall St., Nos. 78 *and* 80, *and* 158 *Pearl St.*, raised 8′; cost, $35,000; owner, M. H. Levin, Brevoort House; architect, H. J. Hardenbergh; builder, not selected.

Nassau St., Nos. 168 *and* 170, basement floor strengthened, iron girders and partition furnished; cost, $3,000 to $4,000; owners, Sun Printing and Publishing Assoc., on premises; builders, Henry Andrews and A. C. Hoe & Co.

Broadway, s w cor. Twenty-ninth St., brick wall supported by iron columns and girders, bet. stage and auditorium; cost, $5,000; owner, estate of Peter Gilsey, 1193 Broadway; architect, S. D. Hatch; builder, not selected.

West Forty-second St., Nos. 331, 333 *and* 335, one-st'y brick extension, slate and tin roof; cost, $25,000; owner, Charles McCready, 329 West Forty-second St.; architect, L. W. O'Connor; builder, C. Callaghan.

Twenty-eighth St., n s, abt. 150′ e Second Ave., iron mansard built; cost, $4,000; owners, W. H. Jackson & Co., 17 Union Sq.; architect, A. Zucker & Co.

West One Hundred and Twenty-fifth St., No. 256, raised one st'y, also cellar excavated and built, brick extension, tin roof; cost, $8,000; owner, Margaret J. Paddock, Seventh Ave., cor. One Hundred and Twenty-fourth St.; architect, J. F. Miller; builder, W. B. Birdsall.

Philadelphia.

BUILDING PERMITS. — *Brown St.*, near Ash St., 2 two-st'y dwells., 16′ x 42′; A. R. Crosta, owner.

Sharp St., above Hermit St., three-st'y dwell., 17′ x 42′; Jas. Boone, contractor.

Nineteenth St., s of Dickinson St., two-st'y dwell., 16′ x 46′; C. Newman, contractor.

Snyder Ave., w of Eleventh St., 5 two-st'y dwells., 16′ x 65′; J. Stickney, owner.

Thomas St., near Green St., two-st'y dwell., 17′ x x 46′; M. C. Bailey, contractor.

Mutter St., n of York St., 3 two-st'y dwells., 12′ x 28′; Thos. Henderson.

Hancock St., n of York St., 3 three-st'y dwells., 12′ x 28′; Thos. Henderson.

Queen St., n of Pulaski St., two-st'y dwell., 17′ x 42′; Chas. Neiman, contractor.

Front St., cor. Norris St., warehouse, 24′ x 119′; Eldredge & Stewart, contractors.

Wayne St., cor. Greene St., 2 three-st'y dwells., 29′ x 37′; Geo. Hearst, contractor.

Rittenhouse St., n of Greene St., 4 three-st'y dwells., 20′ x 48′; contractor, same as last.

Etna St., No. 1239, two-st'y dwell., 17′ x 37′; Jas. McCaulley, contractor.

Walnut St., No. 1128, addition, 23′ x 42′; Thos. A. Lynch, contractor.

North Fifteenth St., No. 328, two-st'y building, 14′ x 96′; Andy Moore, contractor.

Philipp St., No. 2501, alterations, 14′ x 65′; R. Berneger, contractor.

Pike St., cor. Rising Sun Lane, two-st'y dwell., 20′ x 56′; P. Blunn, contractor.

Adrian St., n of Gerard Ave., 3 three-st'y dwells., 12′ x 16′; A. Filemyer, owner.

Twenty-eighth St., o s, s of Fletcher St., 3 three-st'y stores and dwells.; C. Lanahan, contractor.

Second St., s of Venango St., three-st'y store and dwell.; A. Wunder, contractor.

Paul St., s of Meadow St., 2 three-st'y dwells.; E. A. Swope, owner.

Seventh St., w s, s of Venango St., 6 two-st'y dwells.; W. W. Scargle.

Twenty-fourth St., s of Berks St., 11 three-st'y dwells.; C. C. Moore, contractor.

Montgomery Ave., cor. Thompson St., three-st'y dwell.; Jos. McCaulley, contractor.

Mercine St., w s, s of Somersett St., 2 two-st'y dwells.; J. G. Tomlinson, owner.

Howard St., n of Huntingdon St., alterations and additions to factory; Jas. McCartney, contractor.

St. Louis.

BUILDING PERMITS. — Forty-eight permits have been issued since our last report, ten of which are for unimportant frame houses. Of the rest, those worth $2,500 and over are as follows: —

F. C. Riddle, two-st'y frame dwell.; cost, $5,000; contractor, Aug. Kohlmeyer.

P. Tieman, 3 adjacent two-st'y brick stores and tenements; cost, $6,200; contractor, P. Tieman.

J. G. Joice, two-st'y brick dwell.; cost, $5,250; architect, W. C. Slicer; contractor, T. Murphy.

H. F. Kaiser, two-st'y brick dwell.; cost, $2,650; contract sub-let.

A. Joch, two-st'y brick dwell.; cost, $3,000; contractor, J. C. Hacker.

William Ostermann, two-st'y brick dwell.; cost, $4,400; contractors, Sheltman & Gross.

J. H. Boederer, two-st'y brick dwell.; cost, $4,000; architect, H. E. Peiper; contractors, T. H. Trauel & Co.

T. F. Bracklon, two-st'y brick store and dwell.; cost, $4,500; contractor, Geo. L. Gerton.

Fred. Fassler, two-st'y brick dwell.; cost, $2,500; architect, O. Koenig; contractors, Wm. Herkonoff & Bro.

Miss E. Harris, two-st'y brick dwell.; cost, $4,000; architect, J. B. Legg; contractor, A. J. Creamer.

Chas. Heil, two-st'y double brick dwell.; cost, $4,000; architect, O. F. Koenig; contractors, Frank & Harmann.

T. Smith, two-st'y double brick dwell.; cost, $4,000; architect, Thomas J. Furlong; contractor, M. B. Scanlon.

Jos. Zaonne, two-st'y brick store and dwell.; cost, $12,000; architect, G. B. McElfatrick; contractor, S. H. Hoffmann.

R. W. Haslagen, two-st'y brick store and dwell.; cost, $3,200; contractor, A. McAllister.

St. Paul, Minn.

BUILDING PERMITS. — Three-st'y brick double dwell., w s of Washington St., between Third and Eagle Sts.; cost, $10,000; owner, A. Foss.

One-st'y frame church, n s of Winnifred St., between Clinton and Greenwood Sts.; cost, $4,000; owners, Trustees of the Westminster.

Two-st'y frame store and dwell., n s of Front St., between Chatsworth and Lexington Sts.; cost, $2,000; owners, J. Arnold & Co.

Two-st'y frame double dwell., s s of Feronia St., between Westwood and Albion Sts.; cost, $4,500; owner, H. W. Carter.

Two-st'y frame dwell., s s of Parker St., between Wilder St. and Union Ave.; cost, $3,300; owner, C. W. Southwick.

Two two-st'y brick dwells., n s of Eleventh St., between Jackson and Robert Sts.; cost, $4,000; owner, Paul Haupt.

Two-st'y frame double dwell., n s of Grant St., between Vioia and Blanca Sts.; cost, $4,000; owner, Wm. Stockton.

Toledo.

FACTORY. — *Superior St.*, cor. Oak St., four-st'y and basement brick manufacturing building, for Woolson Spice Co., owned by D. R. Locke ("Nasby"); cost, about $33,000; N. B. Bacon, architect; A. Lombard, builder.

STABLE. — *Jefferson St.*, cor. Twenty-third St., two-st'y brick stable, for S. C. Schenck; cost, about $3,000; N. B. Bacon, architect; A. Bentley, builder.

STORES. — *Adams St.*, cor. St. Clair Street, two-st'y brick business building, for M. A. Scott; cost, about $9,000; N. B. Bacon, architect; C. F. Hall, builder.

TRAINING-SCHOOL. — *Adams St.*, cor. Tenth St., manual training-school, brick, three st'y and basement; cost, about $30,000; E. O. Fallis & Co., architects; A. Bentley, carpenter-work; Henahan Bros., brick-work.

WAREHOUSE. — *Erie St.*, cor. Lucas St., five-st'y brick warehouse, for Jno. A. Moore; cost, about $11,000; A. Lombard, builder; N. B. Bacon, architect.

HOUSES. — *Jefferson St.*, near Twentieth St., double brick dwell., two st'y and basement; cost, about $9,000; T. J. McDonnell, owner; A. Liebold, architect; Carl Schmuhl, builder.

Summit Ave., 4 frame cottages, two stories and cellar, for Estate of late David Smith; cost, $10,000; N. B. Bacon, architect; R. Hattersley, builder.

Locust St., brick double dwell. for Mrs. Coldham; cost, about $5,000; architect and builder, same as last.

Twelfth St., two-st'y and basement frame dwell., for W. W. Tryon; cost, about $3,500; N. B. Bacon, architect; A. Lombard, builder.

Collingwood Ave., two-st'y frame dwell., for O. Newman; cost, $3,000; O. W. Vallette, architect.

Parkwood Ave., two-st'y frame dwell. for J. W. Dowd; cost, about $3,000; D. W. Gibbs & Co., architects.

Monroe St., three-st'y frame dwell., for W. H. Scott; cost, about $3,500; N. B. Bacon, architect; Jno. Arnsman, builder.

Parkwood Ave., two-st'y frame dwell.; cost, about $2,500; J. A. Barber, Esq., owner; N. B. Bacon, architect; C. F. Hall, builder.

Parkwood Ave., two-st'y frame dwell., for H. W. Compton; cost, about $2,500; N. B. Bacon, architect; W. H. Keyser, builder.

Woodruff Ave., two-st'y frame dwell., for G. M. Jaquet; cost, about $2,500; N. B. Bacon, architect.

General Notes.

ALLIANCE, O. — Dwell. for R. W. Feeters; J. T. Weybrecht, contractor; Guy Tilden, architect; being built on Market St., Alliance, O., and which will cost $7,000, is about ready for the plasterers.

BUCYRUS, O. — Three-st'y and basement business building and opera-hall, for Vollrath Bros.; cost, about $18,000; N. B. Bacon, architect, Toledo, O.; Vollrath Bros., builders.

CANTON, O. — Guy Tilden, architect, of Alliance, O., is preparing the drawings and specifications for an infirmary for Stark Co., to be built near this town, and which will cost $100,000.

J. H. Wilhelm, of Canton, has been awarded the contract for building the addition to the County Infirmary, which is to be used as an Insane Department; Mr. Guy Tilden, architect; cost, $10,000.

Guy Tilden, architect, is preparing the drawings for the new Trinity Lutheran Church, to be built on West Tuscaroras St., Canton, O. It is to be 70′ x 125′, will seat about 600, and is to be built of stone, at a cost of about $30,000.

Bids and Contracts.

DALLAS, TEX. — The following is a synopsis of bids for iron beams, etc., for the first-st'y floor of the court-house, etc.: —

Dearborn Foundry Company, 1525 Dearborn St., Chicago, Ill., $980 (*accepted*).

Snead & Co., Louisville, Ken., $1,046.

T. H. Brooks & Co., Cleveland O., $1,132.

WASHINGTON, D. C. — List of proposals received and opened at 2 P. M., August 7, 1885, for laying roofing-paper or felt and terne plates on central roofs of new Pension Building: —

W. H. Rapley, price per 100 sq. ft., $.98½; contract awarded.

W. B. March, $1.74.

J. W. Barker, $1.63.

Tennyson & Talbot, $2.00.

J. Greer, $1.20.

James Steele, $1.30

C. A. Hamm, $1.25.

John McMahon, $1.23.

Wm. J. Ferguson, $1.23.

Geo. E. Gartrell, $1.00.

Fisher & Johnson, $2.05.

Thos. Killigan, $1.23.

S. G. Bovis, Agent, $1.45.

List of proposals received and opened at 2 P. M., August 7, 1885, for furnishing roofing-paper or felt, terne plates and tinned nails for fire-proof building for Pension Office: —

C. W. Thorn & Co., felt or paper (per 100 sq. yds.), $2.30.

Phelps, Dodge & Co., New York, terne plates, per box, $6.55; contract awarded.

Warren Chemical Manufacturing Co., New York, felt or paper, delivered in New York, $6.00, $4.00, $3.40, 2.00, 2.45 and 2.30; delivered in Washington, $6.35, $4.25, $3.85, $2.30, $2.80, $3.25.

Mica Roofing Co., New York, felt or paper, delivered at Washington, $6.45, $2.70, $2.36, $2.19.

New York Coal Tar Chemical Co., New York, felt or paper, delivered in Washington, $2.10

Shultz & Co., Baltimore, terne plates per box, $6.55.

American Roofing Co., New York, for metal shingle patent metal roof-plates, kalion, per 100 lbs., $5.00, $4.25 and $5.25.

A. Dunlap Gordon, Philadelphia, felt or paper, No. 1, 1¾ c. per sq. ft.; No. 4, 3 c.

Merchant & Co., Philadelphia, terne plates, per box, $6.75; nails, $5.15 per 100 lbs.; contract awarded.

Tennyson & Talbot, felt or paper, 2¼ c. per lb.; terne plates, per box, $6.95; nails, 6¾ c. per lb.; felt, $69.25 per 60,000 square feet; contract awarded.

urgently requested to be present, and the many important topics, which

the general arrangements proposed thin a few days, to be followed by a h cost of transportation, hotel ac-

e and the Board of Trustees, that of our Institute, shall be marked by d intelligent discussion of all mat- rchitecture which may come before first President, Richard Upjohn, are ever pertinent and encourag- struggles and history of the Insti- e future.

members to throw the full force of e demands of his first duties towards ermit, into the combined effort to , and realize its noble ideal. If we ur work, and ourselves as its doers; mean to do it, so far as our providen- e make what we have done appar- d out our plans for the future, and e culture to carry them out well, we fail us, but will, through the medium according to our needs and our pro- quisite to make our mental capital

these words were spoken. The In- strong under its federal system of ful future seems to be open before appreciated, and the practical sci- ly and better understood. To be of Architects should be our pride, al Convention a journey of pleasure i Associates.

Mason, Jr., *Secretary A. I. A.*

CLIPPINGS.

LING OIES. — As illustrating the , a shot dropped from the ines, a clean, neat hole through The *Blade* says that last winter a muff from the same distance, and noise was heard all over the build- been fired off.

OF INFECTIOUS DISEASE. — G. went acted small-pox, that disease, being G. and other guests coming there. aken to the "pest house," seriously by the marks of the malady. She eeper carried the case — Gilbert *vs.* f Iowa, where the judgment was af- said: "When the plaintiff went to g ill in the house, and the disease ars that the defendant was told the se that the complaint was small-pox, took no precaution to protect those e is evidence showing that the de- e disease was not in his house. That no doubt. He is bound to protect y danger whatever. By keeping his , represented to all travellers that it ich to stop, and he is hardly in a po- cepted and acted on his representa- ts untruth, shall be precluded from jury, on the ground that she might, its falsity."—*Iron Age.*

the martello towers all disappear a correspondent, "the purpose and notice. They were built at the end coast from an anticipated French along the English shore (visitors to nted out there), but Ireland was the s at the time the least protected part ter of fact the French fleet did ride s always dreaded. Lord Cornwallis ries of forts to be built wherever landing. It was necessary to select was thought desirable that the same ses. It happened that the Duke of on the Mediterranean, where he had ttle town on the shores of Corsica by o were of heavy calibre, but the pro- on a little circular fort built of stone, tant fire. These were not the days of a note of the circumstance, and when sed the fort which had done such ser- he town seems now to be forgotten, but orn has at least got a foothold in the le an etymologist of the future, as m- a few ld survive the lapse of cen- wicks coming day."—*Pall Mall*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

323,387. Ventilator for Show-Windows.—John N. Baer and Jesse S. Edwards, Philadelphia, Pa.
323,393. Knob-Attachment. — Chas. W. Bullard, Chicago, Ill.
323,420. Paint-Pot. — Caroline M. Hills, Chicago, Ill.
323,422. Screw-Nut. — Edward C. Ibbotson, Boston, Mass.
323,424. Method of cutting and employing Wooden Beams and Girders. — Peter H. Jackson, San Francisco, Cal.
323,431. Apparatus for purification of Water.—Albert R. Leeds, Hoboken, N. J.
323,437. Stationary Wash-Stand. — Clarence Moritt, New York, N. Y.
323,454. Auger-Bit. —Fisk Shailer, Chester, Conn.
323,464. Die-Stock. —John W. Strong, Bridgeport, Conn.
323,473. Water-Closet Bowl. — Henry C. Weeden, Boston, Mass.
323,492. Continuous Brick-Kiln. — Max. A. Th. Boehncke and Henry Rohwer, Omaha, Neb.
323,508. Saw-Holder. — James Hilton, Newark, N. J.
323,517. Plane-Holder.—Frank F. Mattoon, Boston, Mass.
323,518. Protecting Buildings from Fire. — Jonathan G. Merrill, Quincy, Mass.
323,532. Grease-Trap for Sinks. — John Reid, Yonkers, N. Y.
323,549. Water-Closet Bowl. — Henry C. Weeden, Boston, Mass.
323,563. Faucet for Wash-Bowls. — Thomas C. Clark, Cohoes, N. Y.
323,564. Mortise-Lock. — George B. Cowles, New Britain, Conn.
323,576. Protecting Screen for Air and Light Shafts.—Augustus A. Hagen, New York, N. Y.
323,578. Automatic Fire-Extinguisher. — William Harkness, New York, N. Y.
323,687. House-Ventilation. — Lewis Merriman, Beloit, Wis.
323,695. Plane-Guide.—William W. Preston, Coldwater, Mich.
323,603. Sash-Holder. — Henry Stalb, Jeffersonville, N. Y.
323,655. Vise.—Ole Flagstad, Hamar, Norway.
323,658. Door.—Jeuleos Gamblee, Cresskill, N. J.
323,697. Flooring.— Samuel C. Little, Mount Vernon, Ind.
323,707. Water-Closet Ventilator. — John H. McGovern and Jas. H. Wilson, Detroit, Mich.
323,741. Sash-Fastener. — Anton Schmackers, Birmingham, Ala.
323,748. Locking Device for Jails. — Charles S. Snead and Udolpho Snead, Louisville, Ky.
323,757. Press for Plastic Material for Building-Blocks. — C. Irvine Walker and Frank J. Jervey, Charleston, S. C.
323,776. — Automatic Self-setting Wrench.— Benjamin F. Bennett, Lockport, N. Y.
323,778. Combined Water-Gauge and Faucet. —John G. L. Boettcher, Brooklyn, N. Y.
323,804. Bench-Plane. — John P. Gage, Vineland, N. J.
323,833. Saw-Handle.—William R. Towse, Columbus, O.
323,855. Prison-Door Bolt. —William Corry, Cincinnati, O.
323,863. Fastening for Blind-Slats. — Geo. F. Evans, Corpus Christi, Tex.
323,867. Window-Sash. —Lucinda Fuller and Harriet Fuller, Detroit, Mich.

SUMMARY OF THE WEEK.

Baltimore.

Store and Dwellings. — S. R. Robison, Esq., is to have built a three-st'y brick, stone and terra-cotta store and dwell., lot 32' x 40' and 50', s e cor. Madison and North Ave., and 4 three-st'y dwells. adjoining on Madison Ave., of brick and stone, on lot 50' x 100', from designs by W. Claude Frederic, architect.

Terrace. — Wm. J. Taylor, Jr., is to have 14 Queen Anne dwells. built around Baker Circle, Fulton Ave., to cost $30,000, from plans by W. Claude Frederic, architect.

Dwellings.— Frank E. Davis, architect, is preparing drawings for E. K. Boyd, Esq., for 9 two-st'y brick buildings, 12' x 40', to be erected cor. Baker and Calhoun Sts., and to cost $13,000.

Building Permits. — Since our last report nineteen permits have been granted, the more important of which are the following:—

Caleb Kelly, 2 three-st'y brick buildings, in rear s s McHenry St., between Fremont and Sterrett Sts.

Graham & Schmitt, four-st'y brick building, s s Baltimore St., between Harrison St. and Jones Falls.

N. C. R. W. Co., three-st'y brick building, e s Charles St., n of Jones Falls.

Jos. Flynn, three-st'y brick building, s e cor. Saratoga St. and Watchhouse Alley.

Samuel Black, 2 three-st'y brick buildings, e s Maryland Ave., commencing n e cor. Townsend St.

A. Gottschalk, three-st'y brick building, n w cor. Monument St. and Duncan Alley.

Gill & Lee, 6 three-st'y brick buildings, e s North St., s of Chase St.

Boston.

Hotel. — A new hotel, to be called the Victoria, is to be erected at the cor. of Dartmouth and Newbury Streets, for Barnes & Dunklee of Hotel Brunswick. It is proposed to have about two hundred and fifty apartments, and to have a public cafe on the first floor.

Brooklyn.

Soldiers' and Sailors' Monument. — The model of the new soldiers' and sailors' monument in Brooklyn will be ready in the course of the fall. J. Q. A. Ward, sculptor, is working up the detail designs from the general plan furnished by Richard M. Hunt, the architect. The plaza at the entrance of Prospect Park has been decided upon as the location for the monument, which it is estimated will cost $250,000.

Building Permits. — *Stuyvesant Ave.*, e s, 100' n Gates Ave., 2 four-st'y brick tenements, tin roofs; cost, each, $6,500; owner, John Weigel, 835 Gates Ave.; architect, J. Erickson.

Seventh Ave., n w cor. Fourteenth St., four-st'y brick store and dwell., tin roof; cost, $12,000; owner, John Gallagher; architect, F. Ryan; builders, Asip & Buckley and Daniel Ryan.

Hall St., s w cor. Stone Ave., three-st'y brick store and dwell., gravel roof; cost, $4,500; owner, Henry C. Baker, 1108 Fulton St.; architect, A. Hill.

Hull St., s s, 20' w Stone Ave., 8 three-st'y brick dwells., gravel roofs, wooden cornices; owner and architect, same as last.

Elder St., s s, 350' 6" e Broadway, 6 two-st'y brick dwells., tin roofs, wooden cornices; cost, each, $3,600; owner, H. C. Bauer; architect, T. J. Bier.

Cooper Ave., n s, 225' e Bushwick Ave., and *Van Voorhis St.*, s s, 225' e Bushwick Ave., 28 two-st'y frame (brick-filled) dwells.; cost, each, $2,400; owner, architect and builder, Walter E. Maryatt, 525 Quincy St.

Leonard St., e s, 112' 11" n Van Cott Ave., 3 three-st'y frame (brick filled) tenements, gravel roofs; cost, each, $3,500; owners, Mary F. Bradley and Thos. E. Sutton, 523 Leonard St.; architect, W. Fenwick; builders, T. E. Sutton and Gately & Smith.

Second St., n s, 150' e Seventh Ave., three-st'y brown-stone dwell., tin roof; cost, $16,000; owner, H. F. A. Smith, 426 Third St.; architect, J. Kastner; builder, day's work.

Greene Ave., s s, 200' w Reid Ave., 5 three-st'y brown-stone dwells., gravel roofs; cost, each, $7,000; owner and architect, J. Doherty, 286 Flatbush Ave.

Gold St., w s, 43' n Willoughby St., three-st'y brick store and dwell., tin roof; cost, $3,000; owner, Henry Lichefett, 135 Willoughby St.; builders, F. Metzler and C. Lohrentz.

Fulton St., n s, 75' e Reid Ave., 3 three-st'y brick stores and tenements, tin roofs; cost, each, $3,600; owner, Jeffrey Van Wyck, Flatbush, L. I.; architect, A. Hill; builders, C. Bawe and J. Stout & Bro.

Rockaway Ave., w s, 80' s Fulton St., 2 three-st'y brown-stone stores and dwells., gravel roofs; cost, each, $5,000; owner, Geo. R. Brown, 34 South Portland Ave.; builder, L. E. Brown.

Hamburg St., n w cor. George St., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $5,500; owner, Joseph Klein; architect, J. Platte; builders, J. Bossert and J. Auer.

Greene Ave., n s, 260' e Seaman Ave., two-st'y frame mansard, brick and terra-cotta dwells., tin and slate roof; cost, $10,000; owner, Isaac C. De Bevois' 104 De Bevoise Ave.; builders, S. J. Burrows and Marinus & Gill.

Clifton Pl., No. 281, 200' w Nostrand Ave., four-st'y brick tenement, mansard gravel roof; cost, $15,000; owner and architect, J. Graham Glover, 219 Montague St.; builder, A. Rutan; contractor, not selected.

Fourth Ave., w s, 40' 2" s Fifty-second St., two-st'y frame store and dwell., tin roof; cost, $4,500; owner, Mrs. Jennie Roy, Fifty-second St., cor. Fourth Ave.; architect, A. F. W. Leslie; builder, day's work.

Franklin Ave., w s, 75' s Flushing Ave., three-st'y frame store and dwell., tin roof; cost, $4,800; owner, George Malcolm; architect, I. D. Reynolds; builder, R. Payne.

Chicago.

Building Permits. — S. E. Gross & Co., 8 two-st'y stores and flats, Madison St.; cost, $25,000.

J. Maitland, four-st'y store and flats, 234-236 Halsted St.; cost, $18,000; architect, W. Strippelman.

J. Sweetman, 4 two-st'y dwells., 1016-1022 Washington St.; cost, $12,000.

N. E. Nelson, two-st'y dwell., 453 Dayton St.; cost, $5,000.

W. Nelson, two-st'y dwell., 78 Le Moyne St.; cost, $3,000.

P. L. Bradin, two-st'y flats, 595 Harrison St.; cost, $3,500; architect, C. R. Adams.

R. Huesman, two-st'y dwell., 47 Johnson St.; cost, $3,500.

M. Heinemann, two-st'y dwell., 211 Webster Ave.; cost, $3,000.

C. Wagner, two-st'y dwell., 134 Superior St.; cost, $4,000.

H. Buels, two-st'y dwell., 1075 Blue Island Ave.; cost, $3,400.

M. E. Mann, two-st'y dwells., 132-134 Thirty-fourth St.; cost, $7,000.

J. H. Leidig, two-st'y dwell., 353 Ashland Ave.; cost, $12,000.

O. Dougherty, two-st'y dwell., 472 Paulina St.; cost, $2,500.

J. Sheahan, two-st'y dwell., 3353 Prairie Ave.; cost, $5,000.

L. Lutz, three-st'y store and flats, 240 North Ave.; cost, $6,000.

F. Stauber, two-st'y flats, 116 Jay St.; cost, $2,800.

G. Carlson, two-st'y dwell., 35 Moore St.; cost, $2,500.

J. Larson, three-st'y flats, 149 Oak St.; cost, $5,000.

J. Dopp, two-st'y dwell., 425 North Ashland Ave.; cost, $2,500.

C. Maneke, three-st'y flats, 645 West Harrison St.; cost, $6,000.

H. Klotz, cottage, 889 Hinman St.; cost, $2,500.

H. Jaeger, cottage, 891 Hinman St.; cost, $2,500.

F. Heinemann, three-st'y store and flats, 620 Wells St.; cost, $7,500.

C. E. Kremer, two-st'y dwell., 322 Ashland Ave.; cost, $9,000.

R. A. Barclay, 5 two-st'y dwells., 3651-3659 Grand Boulevard: cost, $35,000; architect, W. A. Furbor.

H. Byrne, three-st'y dwell., 3519 Wabash Ave.; cost, $5,000.

C. Stern, three st'y dwell., 2963 Prairie Ave.; cost, $12,000; architects, Adler & Sullivan.

C. Tarnow, two-st'y dwell., 470 West Fourteenth St.; cost, $3,000.

D. J. Wren, 6 cottages, 235-249 Harvey St.; cost, $4,500.

P. Juergens, three-st'y store and dwell., 827 Milwaukee Ave.; cost, $10,000; architect, O. Matz.

P. J. Ryan, three-st'y store and dwell., 687 and 689 Van Buren St.; cost, $8,000.

Reddenger & Hofer, two-st'y ice-house, 362 Clark St.; cost, $3,000.

D. T. Cohrs, three-st'y store and flats, 3701 Halsted St.; cost, $8,000.

J. Opp, two-st'y store and dwell., 745 Chicago Ave.; cost, $3,000; architect, J. Blattner.

N. J. Enk, two-st'y flats, 3726 Calumet Ave.; cost, $1,000.

J. G. Dietrich, two-st'y flats, 251 Hirsch St.; cost, $2,800.

C. Zept, 2 three-st'y stores and dwells., 120 and 122 West Lake St.; cost, $20,000; architects, Hildinger & Ohlbaber.

Barnard & Calkins, 4 two-st'y dwells., 295 Marshfield Ave.; cost, $12,000.

O. Nelson, two-st'y dwell., 38 Keith St.; cost, $3,500; architect, T. Thorson.

F. Diesel, two-st'y factory, 703 and 705 North Halsted; cost, $6,000.

R. A. Keyes, three-st'y dwell., 1227 Michigan Ave.; cost, $9,000.

J. T. Hale, seven-st'y factory, 298 Dearborn St.; cost, $20,000; architect, J. M. Van Osdel.

W. Horacek, two-st'y store and dwell., 540 Twentieth St.; cost, $4,000.

Mrs. S. Allerton, 2 two-st'y dwells., 45 and 47 Bryan Pl.; cost, $5,000; architect, W. H. Drake.

V. Kuehl, two-st'y dwell., 333 Dayton St.; cost, $3,000.

C. J. Rode, three-st'y store and dwell., 502 Wells St.; cost, $7,000.

E. Earnshaw, two-st'y dwell., 364 Ontario St.; cost, $6,000.

M. M. Warner, three-st'y store and flats, 975 West Lake St.; cost, $8,000.

Wm. Oakley, three-st'y flats, 349 Centre Ave.; cost, $5,500.

Mrs. D. O. McKinley, three-st'y flats, 219 Aberdeen St.; cost, $4,000.

J. Niemczewski, 2 three-st'y stores and dwells., 605 and 607 Noble St.; cost, $12,000; architect, H. Kley.

J. McCouthe, 2 two-st'y dwells., 1195 and 1197 Washington St.; cost, $10,000; architect, J. M. Van Osdel.

C. R. Dix, three-st'y flats, 2226 Indiana Ave.; cost, $4,000.

W. F. Behrens, three-st'y dwell., 774 Sedgwick St.; cost, $5,000.

Tollen & Madden, 4 two-st'y dwells., 3721-3727 Prairie Ave.; cost, $12,000.

L. Pomrehn, two-st'y dwell., 249 West Division St.; cost, $4,000; architect, Weber.

J. Mint, two-st'y dwell., 651 Holt St.; cost, $3,000.

M. Kochanski, three-st'y store and dwell., 444 Noble St.; cost, $5,000; architect, Runde.

J. Donnellan, two-st'y dwell., 390 Maxwell St.; cost, $3,200.

J. L. Lombard, 2 two-st'y dwells., 901 and 903 Kedzie Ave.; cost, $6,000; architects, Ostling & Bourgeois.

J. L. Lombard, 2 two-st'y dwells., 886 and 890 Kedzie Ave.; cost, $5,000; architects, same as last.

J. E. Otis, two-st'y additional, 278 and 280 State St.; cost, $6,000; architect, W. H. Drake.

J. Brady, two-st'y dwell., 221 North Leavitt St.; cost, $2,500.

M. Veith, three-st'y store and dwell., 3109 Wentworth Ave.; cost, $7,000; architect, J. Frank.

L. Matthei, 2 four-st'y stores and dwells., 138 Canalport Ave.; cost, $10,000; architect, H. Sierks.

W. Shortall, two-st'y store and dwell., 2725 Dashiel St.; cost, $2,900.

J. Wokoun, three-st'y dwell., 115 Nineteenth St.; cost, $3,500.

J. R. Low, four-st'y store and flats, 48 West Madison St.; cost, $8,000.

Turner & Bond, 4 cottages, Hanover St.; cost, $4,000.

Turner & Bond, two-st'y store, 2950 Butler St.; cost, $3,000.

L. Dietrich, three-st'y store and flats, 389 Division St.; cost, $11,000; architect, A. Baumann.

M. Holub, two-st'y store and dwell., 3323 Halsted St.; cost, $3,000.

G. Edwards, 6 two-st'y dwells., 745-755 Taylor St.; cost, $20,000; architect, F. Keitemch.

T. & P. Sullivan, three-st'y store and dwell., 302 Wells St.; cost, $5,000; architect, G. Spohr.

J. Anderson, three-st'y store and dwell., 265 West Indiana St.; cost, $7,000; architect, G. Isaacson.

T. Thrun, two-st'y dwell., 153 Ramsey St.; cost, $3,000.

P. Wichert, three-st'y flats, 293 North Franklin St.; cost, $6,000; architect, G. Bloedner.

Kansas City, Mo.

Conrad Swissler, 1020 Union Ave., three-st'y brick business house; cost, $5,000.

Dr. J. K. Stark, brick block, cor. Broadway and Eleventh Sts., cost, $9,000.

J. G. Minnear, frame dwell. on Vine St.; cost, $3,500.

Board of Education, school-house, cor. Seventeenth and Wyandotte Streets; cost, $16,000.

oduction in large quantities of steril-
great difficulty, involving the contin-
there are numerous and simple meth-
rge reduction in the number of orga-

future, It would seem, the Tower is
one of "the sights o' London." It is
rian chapter. The rifles in the Arm-
of the large store of arms is to be re-
edon. This, we are told, is in fulfil-
onsort had very much at heart — a
served wholly and simply as a build-
e and for its historical associations.
arrack and hospital stores were re-
nts a few years after. The work-
the building will be deserted, so far
ed, by all save the small garrison
there. The arrangement will prob-
It is, perhaps, as well to separate in
imental elements. The maintenance
r means, of necessity, wear and tear,
that the building should no longer be
be said for keeping such famous old
t a state of preservation as possible.
e the storage of arms, but we cannot
ich may be done to our ancient his-
ore" them in one sense, but not in

A. — In the course of a paper read
ring the title "Transportation Fa-
ir. Barnet Le Van corrects the com-
Granite Railroad, built at Quincy,
for transporting stone for the Bunker
uarries of Quincy, was the first rail-
n this point he presents interesting
being the first, the Granite Railroad
of precedence in the United States.
paper relating to the subject, with
nents made by the author are of con-
ndpoint of historic accuracy: "Rail-
ennsylvania. In September, 1809, the
nited States was laid out by John
er Th , who was afterward the
ilroad pany), civil engineer, of
rted under his direction, by Somer-
nas Leiper, of Philadelphia. It was
ty feet) in length, and graded one-
he guage was four feet and the sleep-
ent with a loaded car was so success-
caused the first practical railroad in
l for the transportation of stone from
s landing on Ridley Creek, in Dela-
out one mile. It continued in use for
al foundations, consisting of rock in
rward plugged with wood to receive
n place may be seen to this day."

MES. — Our readers will remember
ublished accounts of the evidence re-
at, by the Royal Commission, which
state of the Thames. It was found
the water reached a pitch of foul-
unbearable, and the whole riverside
ich was more or less inconvenienced
gain their living on the water suf-
omissioners themselves were attacked
e of their visits. The state of affairs
Board of Works were obliged to con-
a failure, and sought to whitewash
chloride of lime, which was used to
day. All that time the advent of
ed almost day by day, and the calm
would have been met, owing to the
cement of the metropolis, was a good
s to what effect the floating mass of
Blackwall and Erith, might have on
do anything last summer, but every
had come when this crying disgrace
again at the end of July and the
nd to all appearance have forgotten
But while officialism has been dozing
been at work. Mr. Bailey Denton
Jones have acquired more than three-
area of 4000 acres reclaimed from the
Essex Marshes by Hole Haven and
propose to erect purification works,
e ground up to high-water mark or
effluent clarified by filteration through
re is space to bestow the solid sewage
dditional ground could be obtained by
to the scheme is an offer to take the
ard, and deal with it satisfactorily for
one penny in the pound of the metro-
ty years the whole plant and land is
rties without further payment. This
he Hon Secretary, and bears on its
good which should secure it a

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

323,898. WINDOW-SCREEN. — William G. Anderson, Boston, Mass.

323,909. BRICK-MACHINE. — Walfrid Burkman, Chicago, Ill.

323,911. WASH-BASIN, ETC. — William J. Cahill, Lenox, Mass.

323,919. ELEVATOR. — Levi Daso, Montpelier, O.

323,921. ANNUNCIATOR. — Charles E. Dey, Denver, Col.

323,924. FIRE-ESCAPE. — Wilhelm A. Evers, Edgewood, Ga.

323,930. CONSTRUCTION OF FIRE-PROOF BUILDINGS. — Rafael Guastavino, New York, N. Y.

323,945. CHIMNEY-TOP. — Davis L. McCahan, Baltimore, Md.

323,989. BIT-STOCK. — William S. Washburn, East Bridgewater, Mass.

323,991. DEVICE FOR HANGING WALL-PAPER. — Albert Wilcox and Eliza B. Wilcox, Maple Rapids, Mich.

323,998. SASH-FASTENER. — John I. Barlinger, Waterford, N. Y.

324,011. CLAPBOARD-GUAGE. — Jebiel W. Danly, Attica, N. Y.

324,019. ELECTRICAL ALARM FOR WINDOW-SCREENS. — Henry Garrett, Dallas, Tex.

324,043. APPARATUS FOR MOISTENING THE AIR IN COTTON MILLS, ETC. — Mortimer Sherman, Lowell, Mass.

324,074. HEATING-STOVE. — Marinus Jan Schuurbeque Boeye, Zwolle, Overyssel, Netherlands.

324,077. WINDOW-SCREEN AND VENTILATOR. — John G. Bronson, Chicago, Ill.

324,078. MECHANICAL BOARD-MEASURE CALCULATOR. — Robert H. Bulloch, Savannah, Ga.

324,100. BORING-MACHINE. — John Ernst, Bay City, Mich.

324,108. HEATING AND VENTILATING APPARATUS. — John L. Hamilton, St. Joseph, Mo.

324,121. SCREW-DRIVER. — George F. Kolb, Philadelphia, Pa.

324,144. SAFETY-BRAKE FOR ELEVATORS. — John W. Metz, Manchester, O.

324,147. WATER-COLOR. — Charles F. Nicholson, Rochester, N. Y.

324,149. SHUTTER-WORKER. — Harden Palmer, Everett, Mass.

324,170. TRANSOM-LIFTER. — George H. Sargent, New York, N. Y.

324,172. WATER-CLOSET. — Rockwell Sayer, Chicago, Ill.

324,200. MANUFACTURE OF WHITE LEAD. — Wm. H. Wetherell, Philadelphia, Pa.

324,213. EAVES-TROUGH HANGER. — William H. Berger, Philadelphia, Pa.

324,230. MIXED PAINT. — George T. Clare, Jersey City, N. J.

324,236. MIXED PAINT. — Robert W. Davis, Elmira, N. Y.

324,239. HOT-AIR FURNACE. — Hosea B. Dewey, Milwaukee, Wis.

324,252. SASH-HOLDER. — Abel Haskins, Chicopee, Mass.

324,271. VENTILATOR. — William H. Payne, Camden, N. J.

324,278. REFRIGERATING APPARATUS FOR HOUSES. — Johann and Jacob Stuber, Syracuse, N. Y.

324,293. BATH. — George Booth, Toronto, Ontario, Can.

324,323. COMBINED TRY-SQUARE AND BEVEL. — Leonard D. Howard, St. Johnsbury, Vt.

324,337. HOT-AIR FIREPLACE. — James Philips, Nashville, Tenn.

SUMMARY OF THE WEEK.

Baltimore.

LABORATORY. — E. F. Baldwin, architect, has prepared plans for the Trustees of the Johns Hopkins University, for a four-st'y and basement brick and brown-stone trimming building, 71' x 117', with tower 95' high, to be erected cor. Monument and Garden Sts.; Messrs. William Ferguson & Bro., builders.

BUILDING PERMITS. — Since our last report twenty-three permits have been granted, the more important of which are the following: —

J. D. Taylor, 5 three-st'y brick buildings, w s Pennsylvania Ave., s of Presstman St.

A. S. Adler, four-st'y brick building, n e cor. Eutaw and Clay Sts.

Wyatt & Owens, 24 two-st'y brick buildings, e s Newington Pl., com. s e cor. Baker St.

F. W. Maldeis, 5 three-st'y brick buildings, s s Lexington St., w Calhoun St., and two-st'y brick stable.

W. W. Watts, 14 two-st'y brick buildings, e s Garrett Ave., bet. Beasor and Clement Sts.

Boston.

BUILDING PERMITS. — *Wood.* — *East Sixth St., Nos.* 459–469, 6 dwells., 15' x 15'; owner and builder, Jas. V. Doyle.

Canterbury St., near Austin St., wood-shed, 14' x 29'; owner, Peter Donald; builder, F. B. McLaughlin.

Savin St., dwell., 19' 11' x 48'; owner, Dr. H. Call; builder, J. Philbrick.

Lincoln St., No. 30, dwell., 24' x 34'; owner, Chas. E. Rogers; builder, F. H. Perham.

Boylston St., near Centre St., greenhouse, 22' x 50'; owner, G. F. T. Reed; builder, J. D. Wester.

Unnamed St., from Norfolk St., dwell., 22' and 26' x 28'; owner, J. Greer; builder, E. A. Carter.

Clement Ave., near Farrington Ave., dwell., 21' x 30'; owner, Wm. Mullen; builder, W. S. Mitchell.

Wales St., near Harvard St., dwell., 21' and 22' x 41' 6"; owner, Cheever Newhall; builder, Thomas Hurd.

Spring Park Ave., opposite Burr St., dwell., 28' x 34'; owner, Henry Brehant; builder, J. R. Bell.

Colden St., No. 28, storage, 22' x 22' and 30'; owner and builder, W. B. Quigley.

Brooklyn.

HOUSE. — On Willoughby Ave., a handsome house 40' x 65', is to be built for Mr. J. Napoleon Longhi, of brick, stone and terra-cotta; from plans of Mr. G. H. Gilbert of New York.

CLUB-HOUSE. — A large extension is to be built to the Oxford Club; from plans of Mr. John Mumford.

BUILDING PERMITS. — *McDonough St.*, s s, 300' 1" w Lewis Ave., 3 three-st'y brown-stone dwells., tin roofs, wooden cornices, cost, each, $6,000; owner, architect and builder, Geo. Rose, 241 Bedford Ave.

Van Buren St., n s, 110' w Stuyvesant Ave., two-st'y shoe factory, gravel roof; cost, $5,500; owner, William Nagle, 309 Hart St.; architect and contractor, W. H. Doughty; mason, M. J. J. Reynolds.

Greene Ave., s s, 75' w Patchen Ave., two-st'y brick and brown-stone dwell., tin roof; cost, $5,000; owner, Lucy Herron, 435 Pulaski St.; architect and contractor, Wm. Dawson; mason, W. M. Gibson.

Poplar St., s s, abt. 80' w Henry St., three-st'y brick tenement, gravel roof; cost, $4,000; owner, D. S. Quimby, Henry St., cor. Poplar St.; architect, J. G. Glover; builder, not selected.

Sixteenth St., n s, 100' w Sixth Ave., 2 three-st'y brick flats, tin roofs; cost, total, $13,000; owner, James Beith, 274 Fifteenth St.; architect and builder, W. J. Conway.

Greene Ave., n s, 260' e Sumner Ave., two-st'y frame mansard, brick and terra-cotta dwell., tin and slate roof; cost, $10,000; owner, Isaac C. De Bevoise, 104 De Bevoise Ave.; builders, S. J. Burrows and Marimus & Gill.

Scholes St., No. 202, s s, 200' e Humboldt St., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $4,000; owner, Math. Keoune, 212 Johnson Ave.; architect, G. Hillenbrand; builders, D. Kreuder and Aug. Wurst.

Van Voorhis St., n s, 160' e Bushwick Ave., 2 two-st'y frame dwells., tin and shingle roofs; cost, each, $2,400; owner, Wm. H. C. Leverich, 253 Reid Ave.; architect, H. Smith; builder, O. Dennis.

Moore St., No. 56, s s, 175' e Ewen St., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $4,000; owner, Eva Hess, 90 Seigel St.; architect, E. Schrempf; builders, J. Schneider and V. Ammon.

North Sixth St., n s, 100' w Fifth St., three-st'y brick school-house, tin roof; cost, $67,000; owner, Rev. Martin Carroll, North Sixth St., near Fifth St., architect, Thos. F. Houghton; builders, J. Rooney and F. G. Turner.

Fulton St., s s, 100' e Saratoga Ave., 15 three-st'y brick (stone front) stores and dwells., gravel roofs; cost, each, $7,500; owner, architect and builder, J. H. Herbert, 141½ Monroe St.

Twenty-third St., s s, 185' w Fourth Ave., two-st'y frame (brick-filled) dwell., tin roof; cost, $3,600; owner, John Feltner, Twenty-fourth St.; architect, W. Wirth; builders, J. Sorenson & Kolie.

Broadway, s s, 78' 6" w Tenth St., 2 four-st'y brick stores and tenements, tin roofs; cost, $16,000; owner, John Harper, 244 South Ninth St.; architect, E. F. Gaylor.

Van Cott Ave., No. 151, n s, 25' w Kingsland Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $3,800; owner and builder, Peter Smith, Van Cott Ave., cor. Kingsland Ave.; architect, Th. Engelhardt.

Boerum St., No. 218, s s, 499' e Bushwick Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $3,800; owner, Franz Freibig, 246 Boerum St.; architect, Th. Engelhardt; builder, P. Kunzweiler.

Palmetto St., Nos. 103 *and* 105, n s, 400' w Central Ave., 2 two-st'y frame (brick-filled) dwells., tin roofs; cost, each, $2,200; owner and builder, Mrs. Leah V. C. Naul, 71 Palmetto St.; architect, Th. Engelhardt.

Melrose St., Nos. 164 *and* 166, s s 100' w Knickerbocker Ave., 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $4,300; owner and builder, Henry Eppig, Central Ave., cor. Jefferson St.; architect, Th. Engelhardt.

Hicks St., e s, 70' n Harrison St., four-st'y and cellar brick tenement, tin roof, wooden cornice; cost, $8,000; owner and architect, John Reilley, 292 Baltic St.

Decatur St., n s, 140' w Sumner Ave., 5 two-st'y front and three-st'y rear brick dwells., tin roofs; cost, $26,000; owner, Mrs. Lucy E. Edwards, 12 Verona Pl.; architect, R. H. Hoile; builders, W. Bulkley and Miller & Howe.

Tenth St., s s, 395' e Sixth Ave., 12 two-st'y brown-stone dwells., tin roofs; cost, each, $4,500; owners, architects and builders, Cozzens & Barton, 177 Stuyvesant Ave.

Hicks St., e s, 44' n Harrison St., three st'y and cellar brick dwell., tin roof, wooden cornice; cost, $3,000; owner and architect, John Reilly, 292 Baltic St.

Tenth St., s s, 195' e Sixth Ave., 12 two-st'y brown-stone dwells., tin roofs; cost, each, $4,500; owner, architect and builder, C. B. Sheldon, 296 Ninth St.

Dupont St., n s, 250' e Broadway, 7 two-st'y frame (brick-filled) dwells., tin roofs; cost, each, $3,000; owner, Wm. H. H. Glover, 665 East One Hundred and Thirty-sixth St., New York; architect, John Fletcher; mason, J. Hennessey; contractor, J. Fletcher, Jr.

Herkimer St., n s, abt. 80' e Nostrand Ave., two-three-st'y brick dwells., tin roofs; cost, each, $12,000; owner and builder, Anderson Miller, 1527 Pacific St.; architect, A. Hill.

Forrest St., s s, 72 w Evergreen Ave., six-st'y brick machine-room and storage bins, tin roofs; cost, $15,000; owners, S. Liebmann's Sons, Forrest St., cor. Bremen St.; architect, Th. Engelhardt; builders, A. Hofgesang & Son.

Grove St., No. 24, s s, 174' 2" e Broadway, three-st'y frame dwell., tin roof; cost, $4,500; owners and builders, Wm. Kirkland & Sons, 14 Grove St.; architect, F. Holmberg.

Johnson Ave., No. 121, n s, 100' w Ewen St., three-st'y frame store and tenement, tin roof; cost, $3,500; owner, Fred. Zoeller, Leonard St., cor. Johnson Ave.; builders, F. Stammler and F. Roche.

Lexington Ave., n w cor. Marcy Ave., three-st'y brick flat, tin roof, wooden and iron cornice; cost, $5,000; owner, E. E. Nelson, 207 Hancock St; architect, J. T. Miller.

Putnam Ave., n s, 163' w Sumner Ave., 9 three-st'y brown-stone dwells., gravel roofs; cost, each, $8,000; owner, architect and contractor, J. C. Bushfield; mason, not selected.

Herkimer St., n s, 450' e Rochester Ave., three-st'y brown-stone dwell., tin roof, wooden cornice; cost, $5,000; owner, J. Fisher, 811 Herkimer St.; architect, A. Hill.

President St., s s, 75' w Henry St., four-st'y brick tenement, tin roof; cost, $17,000; owner, H. W. Stearns, 286 Court St.; architect, T. F. Houghton; builders, J. H. O'Rourke and H. J. Smith.

Fulton St., No. 1905, n s, 275' w Howard Ave., two-st'y frame (brick-filled) store and dwell., tin roof; cost, $3,500; owner, Louis Sturken, Fulton St.; architect and builder, S. Hertlein.

Clay St. to Box St., at point 133' w Manhattan Ave., one-st'y frame stable on Clay St., gravel roof; cost, $3,000; owner, Brooklyn Cross Town R. R., 585 Manhattan Ave.; architect and contractor, O. L. Chase; mason, G. Stripes.

ALTERATIONS. — *Washington Ave., No.* 361, three-st'y and basement brick extension, interior alterations, etc.; cost, $5,000; owner, James P. Barnet, 270 Ryerson St.; architect, H. Kafka; builders, W. H. Whyte and A. Beinhauer.

St. John's Pl., n s, 100' w Seventh Ave., one-st'y brick and stone foundation, slate roof, iron cornice; cost, $10,000; owner, St. John's Episcopal Church; architect, J. R. Thomas.

Seventh St., s s, 220' e Fourth Ave., raised 6', brick wall beneath, area in front; cost, $4,500; owners, Trustees of Lutheran Church, by H. H. Schmitt, Fourth Ave., cor. Eighteenth St.; architect, H. L. Spicer; builder, T. Bennett.

Chicago.

BUILDING PERMITS. — Mrs. K. Bourke, two-st'y flats, 318 Van Buren St.; cost, $2,500.

J. W. Gehrig, three-st'y store and flats, 348 West Madison St.; cost, $9,000.

J. Schneider, two-st'y dwell., 2440 Lasall St.; cost, $3,000.

A. Doolan, 2 two-st'y dwells., 3144-3146 Rhodes Ave.; cost, $7,000.

M. Papsobitski, two-st'y store and dwell., 3201 Wall St.; cost, $2,800.

Welsh Presbyterian Church, basement; cost, $3,000.

S. G. Bodenschatz, two-st'y dwell., 625 Taylor St.; cost, $4,000.

H. Lampke, two-st'y dwell., 163 Bissell St.; cost, $2,500.

C. Gray, 2 two-st'y dwells. and stores, 289-291 West Chicago Ave.; cost, $7,000; architect, Palmer.

Wm. Bayne, four-st'y building, 163-169 Locust St.; cost, $26,000.

T. Ognen, two-st'y dwell., 1057 Jackson St.; cost, $3,000; architect, W. Thomas.

Mrs. L. Mitchell, two-st'y store and dwell., 79 Eleventh St.; cost, $3,500; architect, Ruehl.

A. T. Ewing, 2 three-st'y dwells., 3743-3745 Ellis Ave.; cost, $5,000; architects, Cobb & Frost.

M. Kratz, three-st'y store and dwell., 2504 Wentworth Ave.; cost, $8,500; architect, J. Frank.

S. E. Tillinghurst, two-st'y dwell., 31 Pratt Pl.; cost, $3,000.

Elvey Bros., 2 three-st'y store and dwells., 918-920 West Madison St.; cost, $10,000.

R. L. Martin, 6 two-st'y dwells., 95-103 Sibley St.; cost, $18,000.

J. Lawler, two-st'y store and dwell., 566 Harrison St.; cost, $4,000.

A. Lehmann, two-st'y dwell., 119 Wilcox Ave.; cost, $4,000; architect, Thompson.

M. Born, two-st'y dwell., 3431 Michigan Ave.; cost, $8,000; architect, L. B. Dixon.

C. C. Heisen, six-st'y office-building, Dearborn St.; cost, $60,000; architect, J. M. Van Osdel.

Thos. Bird, two-st'y dwell., 117 Ohio St.; cost, $1,000; architect, L. G. Quackenbos.

M. Ryan, three-st'y store and dwell., 651 Fifteenth St.; cost, $6,000; architect, J. Killeen.

S. Downey, two-st'y dwell., 357 Marshfield Ave.; cost, $3,500; architect, Kiltenich.

H. Giesecke, 3 three-st'y stores and flats, 759-763 North Paulina St.; cost, $24,000; architect, T. Karls.

J. Sinclair, two-st'y dwell., 119 Laflin St.; cost, $5,000; architect, C. Thomas.

S. Manning, two-st'y dwell., 3315 Forest Ave.; cost, $4,000.

E. J. Lehman, 2 one-st'y stores, Wabash Ave.; cost, $5,000.

Studebaker Bros. M'f'g Co., eight-st'y carriage repository, 103-107 Michigan Ave.; cost, $150,000; architect, S. S. Beman.

E. W. Partridge, 7 three-stores and flats, 378-390 Thirty-ninth St.; cost, $28,000; architect, C. O. Gleason.

J. D. Shea, two-st'y flats, 3752 Wabash Ave.; cost, $2,800.

Hennessy Bros., two-st'y flats, 8-10 Cass St.; cost, $2,500.

J. C. Smith, 3 two-st'y dwells., McCallister Pl.; cost, $15,000; architect, J. G. Cochrane.

G. W. Stanford, 3 two-st'y dwells., 233-235 Armitage St.; cost, $7,500.

H. S. Weeks, two-st'y car barns, Flournoy St.; cost, $20,000; architect, J. J. Flanders.

Aug 29, 1885

G. Goherz, two-st'y dwell., 91 Kendall St; cost, $2,500; architect, A. Schoof.

J. Ubor, three-st'y stores and flats, 940 Milwaukee Ave.; cost, $8,000.

Josephat Association Church, two-st'y dwell., 228 Southport Ave.; architect, H. Wessner.

J. L. Campbell, 3 two-st'y dwells., 936-940 Park St.; cost, $9,000; architect, J. L. Campbell.

A. W. Fischer, three-st'y store and dwell., 691 Chicago Ave.; cost, $4,000; architect, D. Bloedner.

J. C. Anderson, two-st'y dwell., 33 Erving Pl.; cost, $3,000; architect, C. O. Hansen.

D. Cameron, two-st'y dwell., 304 Monroe St.; cost, $5,000; architect, W. Thomas.

J. Clark, additional stories, 249-251 State St.; cost, $25,000; architect, J. J. Flanders.

Cincinnati.

Building Permits. — L. Denning, two-st'y building, Pine St.; cost, $2,700.

Mrs. C. Little, two-st'y building, Kinney and Hackbery Sts.; cost, $6,000.

F. W. Brockman, three-st'y building, Mulberry and Rice Sts.; cost, $4,500.

C. Kassan, three-st'y building, Molton St. and Euclid Ave.; cost, $4,000.

P. Bradley, two-st'y building, Eastern Ave. and Vance St.; cost, $3,400.

J. Groven, three-st'y building, Dayton and Coleman Sts.; cost, $6,000.

Mrs. R. Gaff, four-st'y building, Perry and Plum Sts.; cost, $7,000.

George Beyer, two-st'y frame building, Belvue St.; cost, $2,000.

H. Werdman, two-and-one-half-st'y building, Warsaw Pike; cost, $6,500.

Brockman & Co., two-and-one-half-st'y building, Ohio Ave. and Parker St.; cost, $7,123.

A. Weisenberger, Wheiler & Emery; cost, $3,000.

R. Reimbold, two-st'y building, Corvein St. and McMillan St.; cost, $2,600.

S. F. Denton, two-and-one-half-st'y frame building, Locust and Gilbert Sts.; cost, $2,500.

Henry Rudmeyer, two-and-one-half-st'y frame building, New Baltimore Pike and Wayne St.; cost, $2,188.

A. Schnieder, three-st'y building, Wheeler and Clifton Sts.; cost, $2,500.

B. Dannehold, three-and-one-half-st'y building; Brown and Freeman Sts.; cost, $8,000.

Wm. Aseforth, three-st'y building, Race and Green Sts.; cost, $7,000.

L. C. Black, three-st'y building, Alpine Pl.; cost, $6,000.

J. P. Schar, two-st'y building, Westwood Ave.; cost, $2,200.

Jacob Bauer, two-st'y building, Marshal Ave.; cost, $2,500.

F. Ludke, two-and-one-half-st'y building, York and Western Sts.; cost, $2,000.

J. H. Gray, two-and-one-half-st'y frame building, Eastern and Tusculum Aves.; cost, $6,000.

Mrs. E. Euphrat, two-and-one-half-st'y building, Clifton and Warner; cost, $3,000.

F. Otte, four-st'y building, Central Ave. and Liberty St.; cost, $7,000.

H. Werdman, Hopkins St., three-st'y building; cost, $3,600.

Twenty repairs; cost, $13,020.

Repairing permits to date, 653.

Total cost to date, $1,366,673.

Minneapolis, Minn.

Building Permits. — Campbell Brothers, two-st'y wooden dwell., n e cor. East Twenty-sixth St. and Garfield Ave.; cost, $8,000.

A. Hathaway, two-st'y wooden dwell., s e cor. Hawthorne Ave. and Seventeenth St.; cost, $10,000.

City of Minneapolis, two-st'y brick engine-house, s s Holden St., between Highland Ave. and Borden Ave., n; cost, $6,800.

Fred. D. Noerenberg, eight-st'y stone malt-house, n e s Twenty-first Ave., near Twentieth Ave., s; cost, $30,000.

T. Z. Curtiss, two-st'y wooden dwell., s w s First Ave., between East Thirty-first and East Thirty-second Sts., s; cost, $3,000.

Wm. N. Holway, 3 two-and-one-half-st'y stone dwells., s w s West Third St., between Morrison and Twenty-sixth Ave., n; cost, $7,500.

J. M. Griffith, three-st'y brick veneer store and flats, n w s Fifth Ave., between Washington Ave. and Third St.; cost, $4,000.

E. E. & T. A. Whitman, two-st'y wooden dwell., s w s North Irving St., between Superior and Laurel Aves., n; cost, $5,000.

Jonas McCarty, two-st'y double wooden dwell., s w s Third St., between Fourth and Fifth Aves., n e; cost, $3,000.

Mrs. Esther Curtis, four-st'y brick store and office, No. 1 Washington Ave., s; cost, $18,000.

N. Saunders, two-st'y wooden dwell., s w s Hennepin Ave., between West Twentieth and West Twenty-second Sts.; cost, $5,000.

New York.

Apartment-House. — At Nos. 1424 and 1426 Broadway, Mr. D. S. McElroy, proposes to build from designs of Mr. F. T. Camp a fire-proof building to contain flats, bachelor suites and studios; cost about $110,000.

Association Building. — For the Young Woman's Christian Association a building 75' x 101' 3", is to be erected on East Fifteenth St.; from designs of Mr. R. H. Robertson.

Depot. — On the s s Forty-second St., w Lexington Ave., the Forty-second St. and Manhattanville & St. Nicholas Ave. R. R. proposes to build a depot, 100' x 150'.

Flats. — On the w s Second Ave., running from the n w cor. Eighty-sixth St., to the s w cor. Eighty-seventh St., 8 five-st'y flats and stores are to be built at a cost of about $170,000 for the Misses J. & S. Rhinelander and Mrs. Mary A. Stewart.

On the s s Seventeenth St., 100' e Tenth Ave., 2 five-st'y flats, 25' x 75' each, are to be erected at a cost of about $32,000, by Mr. Jno. W. Decker.

Institutions. — "The Laura Franklin Free Hospital for Children," is to be built on the n s One Hundred and Eleventh St., bet. Madison and Fifth Aves.; from designs of Mr. Wm. Shickel; the building will have a frontage of 55', and is to be three-st'y, with basement and mansard roof; Mr. Terence Kiernan has been awarded the contract.

The St. Francis Xavier College on the n s Fifteenth St., bet. Fifth and Sixth Aves., is to have an 80' front extension, two-st'y; built from plans of Mr. W. H. Poole.

Houses. — For the Rev. J. J. Doughty, a four-st'y brown-stone house, 25' x 60', is to be built on the n s Seventy-ninth St., 200' e First Ave.; from plans of Messrs. Babcock & McAvoy.

On the n s One Hundred and Fourth St., and the s s One Hundred and Fifth St., 140' e of New Ave., 6 three-st'y and basement dwells., 16' x 50' each, are to be built at a cost of about $75,000, by Messrs. Anson C. Squier and N. M. Whipple.

Stores. — At 62 College Pl., 2 five-st'y stores, 25' x 100' each, running through to 72 Warren St., are to be built by Philip B. Parker, at a cost of $55,000; from plans of Messrs. Babcock & McAvoy.

Building Permits. — *Jersey St.*, s e cor. Crosby St., five-st'y brick tenement, tin roof; cost, $12,000; owner, Seigmund T. Meyer, 67 Broadway; architect, A. L. Meyer; builder, W. F. Lennon.

Varick St., Nos. 140 and 142, one-st'y brick store; tin roof; cost, abt. $5,000; owner, Trinity Corporation, 61 Church St.; architect and builder, L. H. Williams.

West Thirty-fifth St., Nos. 520 to 524, three-st'y brick factory, tin roof; cost, $16,000; owner, John Graham, 354 West Thirty-third St.; architect, Andrew Spence.

Thirty-ninth St., n s, abt. 140' w Second Ave., five-st'y brick tenement, tin roof; cost, about $16,000; owner, Michael Kane, 126 East Seventieth St.; architect, John McIntyre.

Eleventh Ave., Nos. 500 to 506, 4 five-st'y brick tenements with stores, tin roofs; cost, each, $13,800; owner and builder, John Totten, 240 West Forty-ninth St.; architect, M. L. Ungrich.

East Seventy-seventh St., No. 429, two-st'y brick church and school, tin roof; owner, The German Evangelical Church, on premises; architect, R. C. McLane.

Seventy-seventh St., s s, 73' w Third Ave., 2 five-st'y brick tenements with stores, tin roofs; cost, each, $13,000; owner, Siegmund T. Meyer, 57 Broadway; architect, A. L. Meyer; builder, W. F. Lennon.

One Hundred and Eleventh St., n s, 150' e Fifth Ave., three-st'y and mansard brick hospital, tin and slate roof; cost, $85,000; owner, F. H. Delano, Red Hook, Dutchess Co., New York; architect, William Schickel.

Alterations. — The Astor Library was closed this week for important alterations to be made.

Seventh St., No. 288, new first-st'y front and internal repairs; cost, $3,000; owner, Gerald Fitzgibbon, 258 Seventh St.; builders, Grissler & Fausel.

West Thirteenth St., Nos. 597 and 599, three-st'y brick extension, tin roof; cost, $3,500; owner, C. H. Delmonter, 421 West Twentieth St.; architect and builder, J. Farrell; mason, J. Buckley.

East Thirty-sixth St., No. 11, new stone stoop; cost, $3,000; owner, Robert Hoe, on premises; architect, H. O. Avery; builder, D. Campbell.

Philadelphia.

Building Permits. — *Bolton St.*, w of Ridge Ave., two-st'y dwell., 19' x 39'; And. Slinkle, contractor.

Eighth St., n of Huntingdon St., 5 three-st'y dwells., 15' x 32'; Jno. Loughran, owner.

Eighth St., n of Huntingdon St., 4 two-st'y dwells., 18' x 30'; Jno. Loughran, owner.

Mitchell St., e of Martin St., 2 two-st'y dwells., 15' x 44'; C. F. Hardeck, contractor.

Leithgow St., n of Huntingdon St., 9 two-st'y dwells., 12' x 40'; F. E. Hoersch, contractor.

Richmond St., s of Boekins St., two-st'y dwell., 16' x 42'; A. M. Crosta, owner.

South Sixteenth St., No. 1016, two-st'y dwell., 16' x 60'; Isaac Smith, owner.

Ridge Ave., No. 910, three-st'y hotel, 18' x 70'; A. A. Harmer, owner.

Tioga St., w of Waterloo St., 10 two st'y dwells., 14' x 42'; Theo. Holly, owner.

Girard Ave., w of Fifty-first St., 16 two-st'y dwells., 14' x 37'; Jno. Bateson, owner.

Coulter St., cor. Morris St., 4 two-st'y dwells., 15' x 40'; F. C. Barr, owner.

Nineteenth St., n of Dickinson St., 2 two-st'y dwells., 16' x 46'; M. B. Stackhouse, owner.

Filbert St., No. 1203, four-st'y factory, 16' x 107'; T. Murfrees, contractor.

Bridge St., cor. Walker St., two-st'y dwell., 44' x 65'; stable, 42' x 46'; Jas. C. Doyle, contractor.

Olive St., e of Nineteenth St., three-st'y dwell., 16' 6" x 24'; Samuel Rea, contractor.

Twelfth St., n of Jefferson St., three-st'y dwell., 15' x 70'; J. H. Billington, contractor.

Eighth St., n of Green St., addition to church, 11' x 88'; contractor, same as last.

Clymer St., Nos. 627 and 629, stable, 26' x 41'; C. J. Kelly, contractor.

Cumberland St., s of Broad St., 4 three-st'y dwells., 17' x 48', Jos. Stuckey, contractor.

Shurswood St., w of Twenty-fifth St., 3 two-st'y dwells., 16' x 28'; H. Thornton, owner.

Wright St., w of Twenty-fifth St., 3 two-st'y dwells., 15' x 40'; H. Thornton, owner.

Carpenter St., w of Seventeenth St., three-st'y dwell., 16' x 48'; Geo. Barbiere, contractor.

Ridge Ave., s e cor. Montgomery Ave., three-st'y store, 18' x 50'; A. R. Schoch, owner.

Lehigh Ave., near Germantown Ave., three-st'y dwell.; Chas. Bassett, contractor.

Somerville St., near Germantown Ave., 3 two-st'y dwells.; contractor, same as last.

Nicetown Lane, e of Twenty-second St., 12 three-st'y dwells.; Geo. W. Beabon, owner.

Twenty-second St., n of Columbia Ave., 9 two-st'y dwells.; Jacob E. Ridgway, owner.

Nineteenth St., cor. Hamilton St., factory; John Manderson, contractor.

Lambert St., s of Tasker St., 7 two-st'y dwells.; Wm. Ellens, owner.

Oakford St., w of Twenty-first St., 10 two-st'y dwells.; H. R. Coulomb, owner.

Second St., n of Arch St., four-st'y store; Benj. Leech, owner.

St. Louis.

Building Permits. — One hundred and one permits have been issued since our last report, thirteen of which are for unimportant frame houses. Of the rest, those worth $2,500 and over are as follows: —

A. Worthage, three-st'y frame dwell.; cost, $3,300; J. W. Havens, contractor.

G. S. Bulkley, three-st'y frame dwell.; cost, $3,500; G. S. Bulkley, contractor.

J. B. Woestman, 2 two-st'y stone dwells.; cost, each, $4,500; H. C. Brinkmeyer, contractor.

John Hines, two-st'y brick store and dwell.; cost, $2,500; P. Tolck, contractor.

W. Wahlers, two-st'y brick store and dwell.; cost, $7,000; H. Ellerman, contractor.

H. Rohling, two-st'y brick dwell.; cost, $2,500; contractor, same as last.

J. Loesch, 3 adjacent two-st'y brick tenements; cost, $4,500, Dorr, contractor.

P. Ennis, two st'y brick dwell.; cost, $3,000; P. J. Meagher & Sons, architects; contract sub-let.

H. Almstean, 2 adjacent two-st'y brick dwells.; cost, $4,700; Louis Weber, contractor.

Fred W. Podmore 4 adjacent two-st'y brick tenements; cost, each, $3,000; Fred W. Podmore, contractor.

John Schultz, three-st'y brick tenement; cost, $6,500; Bothe & Rotmann, contractors.

Wm. Keane, two-st'y brick dwell.; cost, $4,000; contract sub-let.

J. L. Etzkarn, two-st'y brick dwell.; cost, $3,800; Taylor, architect; P. Richers, contractor.

Joe C. Prichard, two-st'y brick dwell.; cost, $5,500; Aug. Beinke, architect; J. H. Keefe, contractor.

W. B. Morgan, 2 adjacent two-st'y brick dwells.; cost, $3,800; W. B. Morgan, contractor.

J. Mahon, 2 adjacent two-st'y brick dwells.; cost, each, $11,000; J. Mahon, contractor.

John Ferrara, 3 adjacent two-st'y brick tenements; cost, $4,700; H. W. Rocklage, architect; S. Walter, contractor.

Wm. Graham, two-st'y brick store and dwell.; cost, $3,000; Wm. Graham, contractor.

M. Barklage, 4 adjacent two-st'y tenements; cost, $6,500; Henry Suedhoelter, contractor.

J. C. Morrison, two-st'y brick dwell.; cost, $5,000; J. C. Morrison, contractor.

John Herl, 2 adjacent two-st'y brick dwells.; cost, $3,400; Thos. Knittel, contractor.

A. Ausman, two-st'y brick flat; cost, $4,450; F. Bonny, contractor.

William Whittinger, two-st'y brick dwell; cost, $4,300; Wm. Whittinger, contractor.

Mrs. Kennel, two-st'y double brick tenement; cost, $3,250; contractor, same as last.

C. Kamper, two-st'y dwell.; cost, $3,250; Wm. Whittinger, contractor.

M. Obrecht, two-st'y brick dwell; cost, $3,250; contractor, same as last.

Mrs. Kennel, two-st'y brick dwell.; cost, $3,300; contractor, same as last.

W. J. Gerstgen, two-st'y brick dwell.; cost, $2,500; Kluthe & Boeke, contractors.

C. Valleroy, two-st'y double brick tenement; cost, $2,700; Thomson & Valleroy, contractors.

Future City Oil Works, two and three st'y brick oil refinery; cost, $7,000; J. F. Rivers, contractor.

R. B. Lyle, two-st'y brick dwell.; cost, $6,500; J. B. McElfatrick & Son, architects; S. H. Hoffmann, contractors.

St. Paul.

Building Permits. — Two-st'y frame double dwell., e s of St. Paul Street, between Somerset and Olmstead St.; cost, $5,000; owner, Wm. Richardson.

Two-st'y frame block of dwells., s s of Fifteenth St., between Canada and Broadway; cost, $4,000; owner, Harvey Hill.

Two-st'y brick dwell., cor. Minnesota and Ninth St.; cost, $3,850; owner, Lilly M. Des Meuil.

Two-st'y frame dwell., w s of Albion St., between Waltham and Seronia Sts.; cost, $3,250; owner, O. L. Rheaume.

Two-st'y brick block of dwells., w s of John St., between Grove and East Tenth St.; cost, $16,000; owner, Catherine Darragh.

Two-st'y frame dwell., e s of Albion St., between Feronia and St. Anthony; cost, $3,000; owner, Miss Anna B. Osborn.

Two-st'y frame dwell., e s of Albion St., between Feronia and St. Anthony; cost, $2,800; owner, Chas. Long.

COMPETITION.

SCHOOL-HOUSE.] [At Nashville, Tenn.

The Board of Public Works and Affairs of Nashville, Tenn., solicit designs for a school-building, to be erected in the western part of the city, and will furnish to any one applying therefor a printed slip containing all information desired. Designs must be delivered by **September 1, 1885.**

BOARD OF PUBLIC WORKS AND AFFAIRS.

505

MEMORIAL TO GENERAL GRANT.

We offer three prizes of $50 each for the best three "preliminary sketches" of a design for a Memorial to General Grant, to be erected in a large town at a cost not exceeding $100,000.

Conditions: — Drawings to be received at this office **on or before Saturday, September 19, 1885.** Drawings to be at any scale in pencil or ink — no brush-work or color — the scale to be indicated on the drawing. A brief memorandum of material and probable cost to appear *on the drawing itself.*

Each design to be represented by perspective (or elevation) with plan, and, if necessary, section at smaller scale.

Each design to be signed by a motto, and the author's name forwarded under seal. In case of publication, the author's name will be announced, unless request is made to the contrary. The award will be made by a jury of architects and sculptors.

509 EDITORS OF THE "*American Architect.*"

ey are destined to shed light upon some
y, especially the time when the power of
ally lapsed into the hands of the Moslem
olemies still farther back, and the period
the sway of Persia.

LACE. — The Winter Palace, although
izabeth, was not completed until Peter
e square in front of it was still covered
workmen. Heaps of stone, bricks, and
es to the palace. In order to clear the
lled the post of Chief of Police at St.
nperor to give permission to the poorer
unused materials. The plan pleased
nmediately given to carry it out. The
ndows the operation which was com-
peror on installing himself in his new
onto the square and the corner of the
palace bore the name of the King of
pation of the palace was accompanied
The rooms occupied by Peter had
Tchevakinsky, a pupil of Bastrelli, and
were brought from Italy. Peter's bed-
and beside it was his library. Above
llery to be constructed which he turned
rnished at a cost of more than 3,500
occupied the rooms afterward known
arie Feodorovna. The day the Court
h of April, 1762), was marked by the
h under the name of the Resurrection.
n of an ancient image of Christ being
nsecrated afresh by order of Catharine
embellishment of the interior and the
tinued under Peter and only completed
up to the year 1768 was estimated at
. The principal director of the works
d amateur, Jean Betzky. In 1767 the
be the Hermitage was commenced, the
sted with its execution. This building,
n the Millionnafa to the Quay. Four
as erected on a plan of the architect
wings were added, and the Empress or-
o build a theatre which was at the
st, 1784. The same architect erected
ge with the theatre and with the part
phael galleries. In 1786 the marble
St. G and the Throne room) was
to t was placed in the former.
of the hitect Starow. — *Exchange.*

YRAMID. — Mr. Petrie is minute in his
the King's Chamber, the chamber con-
Great Pyramid, has sustained, appar-
ints of the stones have been loosened
ns of the ceiling, weighing about fifty-
n right through on the south side, and
her only by the force of sticking and
is, as Mr. Petrie says, "a mere ques-
As one of these cracks and many of
with mortar, it seems that the injury
Pyramid was finished. The sarcopha-
centred by Professor Piazzi Smyth's
hibit a standard for all the Pyramid
trie to be rather a careless piece of
still remain show that the masons have
they intended, and have then tried to
without wholly succeeding. The cof-
re any marks underneath it to indicate
; but no such marks were found. Mr.
etails relative to the change that took
the Pyramid in the course of building-
care, and the base laid out with won.
pavement on the east side of the Pyra-
on the other sides are splendid pieces
ing all sawn and fitted together with
wer part of the casing, of which Mr.
red some blocks *in situ*, is exquisitely
Passage; "the means employed for cas-
of soft limestone, weighing a dozen to
ir-like joints, are almost inconceivable
the levelling is marvellous." But the
in the upper parts of the building; the
y is much askew; in the ante-chamber,
and its defects rudely plastered over;
ugh it is composed entirely of magnifi-
workmanship, there is an error in the
f two and a quarter inches between the
e south-west, an error which, if not due
in such a piece of work as the Great
stone has been left in the rough, to be
in position, but which has been left un-
that the architect of the first period of
of his work, and was succeeded by one
ervision, and that thus the building was
the roofing-beams for the King's Cham-
rked for the north or south sides, Mr.
hey were all hewn in the lifetime of the
position outside the Pyramid, but were
cond and less careful architect. — *Cham-*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

BUILDING PATENTS.

[*Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.*]

324,357. SAW.—Matthew Brown, Bridgeport, Conn.

324,368. HINGE FOR SCUTTLES, SKYLIGHTS, ETC.—Patrick Curley, Boston, Mass.

324,378. PIPE-WRENCH. — James T. Hayden, Boston, Mass.

324,384-385. SLIDING BLIND. — Nathan Jewett, Toledo, O.

324,395. ELLIPSOGRAPH.—Arthur Marichal, Philadelphia, Pa.

324,444. LOCK-HINGE.—Josef Wolf, Hoboken, N. J.

324,452. DOOR-CHECK. — Nathan O. Bond, Fairfax Court-House, Va.

324,456. PORTABLE BUILDING.—Thomas R. Carskadon, Keyser, W. Va.

324,460. SHUTTER-FASTENER. — William Delano, Brooklyn, N. Y.

324,492. GAS-TRAP COVER FOR WASH-BASINS. — Nathan Schwab, New York, N. Y.

324,493. ELEVATOR-CAGE AND SAFETY APPLIANCE.—Alonzo B. See, Brooklyn, N. Y.

324,499. GLAZING.—Thomas W. Taylor, Worcester, Mass.

324,500. PNEUMATIC ANNUNCIATOR. — William Thomas, Jersey City, N. J.

324,508. COMBINED AQUARIUM AND MARITIME THEATRE.—Jerome Wenmaekers, Antwerp, Belgium.

324,515. WATER-BACK.—Frank Armstrong, Bridgeport, Conn.

324,525. BARN-DOOR FASTENING.—Wm. L. Bliss, and George F. Kopp, South Egremont, Mass.

324,527. COMPOSITE METAL BAR.—Edwin S. Brainard, Manchester, Conn.

324,542. OVERFLOW AND DISCHARGE VALVE FOR BATHS.—John Demarest, New York, N. Y.

324,544. SAFETY-GATE FOR ELEVATORS. — George T. Fallis, St. Joseph, Mo.

324,555. BENCH-CLAMP.—Franklin P. Hish, Shelbyville, Ill.

324,634. CONSTRUCTION OF BUILDINGS.—James C. Anderson, Highland Park, Ill.

324,640. KNOB ATTACHMENT.—John Bellamy, Boston, Mass.

324,645. SEWER-TRAP.—Buckland P. Bower, Cleveland, O.

324,670. FIRE-ESCAPE.—William B. Doolittle, Chicago, Ill.

324,693. BLIND-SLAT HOLDER. — David Hinman, Southington, Conn.

324,695. CRANE. — Jos. Hollingsworth, Kilbourne, La.

324,710. FIREPLACE NICHE.—James N. Long, Philadelphia, Pa.

324,716. FIRE-PROOF CEILING. — Henry Maurer, New York, N. Y.

324,732. METALLIC DOOR-SILL.—Charles C. Schreiber, Cincinnati, O.

324,751. SAFETY DEVICE FOR ELEVATORS. — Robert M. Curtiss, Brooklyn, N. Y.

324,763. BORING-PIT OR AUGER. — Lucian M. Foster, Troy, N. Y.

324,768. TUBULAR SCREW. — Frederick R. Hunt, Leavenworth, Kans.

SUMMARY OF THE WEEK.

Baltimore.

BUILDING PERMITS. — Since our last report twenty-three permits have been granted, the more important of which are the following: —

J. M. Shackleford, three-st'y brick building, n e cor. Eden St. and Union Alley.

Henry Hartman, 2 three-st'y brick buildings, w s Pennsylvania Ave.; and 6 two-st'y brick buildings, e and w s Wilmer Alley, bet. Biddle and Greenwillow Sts.

C. A. Gambrill M'f'g Co., two-st'y brick buildings, 36' x 38', e s Commerce St., s of Pratt St.

Johns Hopkins University, four-st'y brick building, n s Monument St., bet. Eutaw and Garden Sts.

Swindell Bros., three-st'y brick building, 25' x 120', n e cor. Bayard and Warner Sts.

J. J. Gordon, three-st'y brick building, s e cor. Aisquith and Lanvale Sts.

E. T. Kirkley, greenhouse, s s Myers St., bet. Webster St. and Fourth Lane.

H. A. Zeigler, 3 two-st'y brick buildings, e s Valley St., s of Hoffman St.

Wm. Collett, 6 two-st'y brick buildings, w s Pennsylvania Ave., com. cor. Gold St.

Otto Goldback, 5 three-st'y brick buildings, e s Wolfe St., com. cor. McElderry St.

Chas. Callis, 10 two-st'y brick buildings (sq.) e s Broadway, bet. Preston St. and Carlisle Pl.

P. Fitzpatrick, 4 three-st'y brick buildings, e s Charles St., s of Jones Falls.

F. W. Koenig, three-st'y brick building, e s Hanover St., bet. Clement St. and Fort Ave.

Adam Wendell, 2 three-st'y brick buildings, n s Eager St., bet. Greenmount Ave. and McKim St.

Chas. Buck, three-st'y brick building, e s Pennsylvania Ave., bet. Hoffman and Dolphin Sts.

Boston.

BUILDING PERMITS. — *Wood.* — *Congress St.*, opp. A St., storage, 50' x 100'; owner, Boston Wharf Co.; builder, N. S. Wilbur.

Milton St., near Byron St., dwell., 21' x 30'; owner, Nathan Erskine; builder, C. W. Nickerson.

Garfield St., near Corey St., dwell., 31' 2" x 32' 2"; owner, J. W. Bailey; builder, George A. Spear.

Dorchester Ave., *No.* 317, wagon-shed, 22' 6" x 74'; owner and builder, William Peard.

Savin St., near Blue Hill Ave., dwell., 20' x 66' 6"; owner, J. R. Murphy; builder, John Hayes.

Everett St., carriage-shed, 30' x 40'; owner, G. O. Fitzpatrick; builder, Isaac G. Caswell.

Rutherford Ave., stable, 32' x 34'; owner, D. Whiting & Son; builder, J. B. Wilson.

Medford St., opp. Walnut St., storage, 24' x 90'; owners and builders, Holmes & Adams.

Harvard Ave., near Brighton Ave., stable, 24' x 34'; owner, G. P. Brown; builders, Watson & Bowers.

Magnolia St., cor. Myrtle Pl., dwell., 24' 6" x 29' 8", owner, William T. Leggett; builder, Burke Bros.

Ruggles St., *No.* 32, storage, 28' x 56'; owner, W. J. Bradlee; builder, A. J. Strout.

East Sixth St., *No.* 455, dwell., 15' x 21'; owner and builder, James V. Devine.

Dudley St., near Dennis St., dwell., 22' x 50'; owner, Charles Barton; builder, James Portmore.

Pleasant St., near South St., storage, 25' x 50'; owner and builder, Boston Gas Light Co.

Vaughan Ave., near Geneva Ave., dwell., 17' x 26'; owner, John Watson; builder, B. A. Noble.

H St., near East Fourth St., dwell., 21' 6" x 42'; owner, Dennis Reardon; builder, Lyman Locke.

H St., *No.* 102, dwell., 21' x 36'; owner, Mrs. E. A. Johnston; builder, B. A. Noble.

Colden St., *Nos.* 24-26, dwell., 31' 6" x 58' 8"; owner and builder, W. B. Quigley.

Brooklyn.

BUILDING PERMITS. — *Magnolia St.*, s s, 250' e Irving Ave., three-st'y frame store and dwell., lined with hemlock boards, tin roof; cost, $3,500; owner, Wm. Carpenter; architect, Mr. Taylor; builder, W. H. Nichols.

Broome St., *Nos.* 31-37, 4 three-st'y and basement frame (brick-filled) tenements, gravel roof; cost, $14,000; owner, F. E. Mather, 213 East Eighteenth St., New York; architect, J. Doig, Jr.; builders, Doig & Post and P. Newman.

McKibben St., n s, 510' e Bushwick Ave., one-st'y frame glass-house, gravel and shingle roof; cost, $8,500; owner, N. Dannenhoffer, Gerry St., cor. Throop Ave.; architect, Th. Engelhardt; builders, J. Wagner and E. Loerch.

Sixteenth St., s s, 73' 10" e Seventh Ave., 14 two-st'y frame (brick-filled) dwells., tin roofs; cost, each, $2,800; owner, architect and builder, R. Kirkman, 415½ Eighteenth St.

Halsey St., s s, 95' e Sumner Ave., two-st'y brick dwell., tin roof; cost, $5,000; owner, G. R. Waldron, 529 Halsey St.; architect, A. Hill.

Russell Pl., w s, 85' 9" s Herkimer St., 6 two-st'y brick dwells., gravel roofs, wooden cornices; cost, $3,500; owners, Felix Gallagher and John Taafe, 136 Court St.; architect and contractor, Jno. Taaffe; mason, L. A. Brown.

Putnam Ave., n e cor. Tompkins Ave., four-st'y brick store and dwell., gravel roof; cost, $15,000; owner, Paul C. Grening, 420 Gates Ave.

Putnam Ave., n s, 24' e Tompkins Ave., 9 two-and-a-half-st'y brown-stone dwells., e s, 81' 6" n Putnam Ave., two-and-a-half-st'y brown-stone dwells., all tin roofs; cost, each, $6,000; Paul C. Grening, 420 Gates Ave.

Fulton St., s s, 150' e Rochester Ave., 5 three-st'y brick stores and flats, tin roofs; cost, each, $7,000; owner and contractor, J. W. Stewart, 373 Quincy St.; architect, I. D. Reynolds.

George St., s s, 100' e Hamburg St., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,200; owner and architect, A. Dillman, 87 Melrose St.; builder, H. Loeffler.

Boerum St., n s, 75' w Lorimer St., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,500; owner, J. Hillenbrand, on premises; architect, J. Platte; builders, J. Auer and J. Frisse.

Rutledge St., s s, 180' w Harrison Ave., 2 three-st'y brick tenements, tin roofs; cost, each, $6,000; owner and mason, John Auer; architect, J. Platte; contractor, J. Bossert.

Central Ave., s e cor. Harman St., 2 three-st'y frame (brick-filled) stores and dwells., tin roofs; cost, each, $4,500; owners, architects and builders, Cozine & Gascoine, 109 Harman St.

Manhattan Ave., *No.* 142, e s, 270' s Norman Ave., four-st'y brick store and dwell., tin roof; cost, $8,100; owner, George H. Kidd, 108 Franklin St.; architect, Th. Engelhardt; builders, J. Rooney and J. Fallon.

Adams St., e s, 75' n Concord St., 3 five-st'y brick apartment-houses and stable, tin roofs; cost, $33,000; owner, E. D. Phelps, 55 Pineapple St.; architect, M. J. Morrill; builders, P. Carlin & Sons and Morris & Selover.

Quincy St., *Nos.* 285 *and* 287, n s, 400' e Nostrand Ave., five-st'y brick and brown-stone tenement; cost, $45,000; owner, Mary Johnson, 289 Quincy St.; architect, A. Hill; builders, C. Viny and P. F. O'Brien.

Van Brunt St., w s, on river front, 2 five-st'y brick warehouses, gravel roofs; cost, $67,000; owners, New York Warehousing Co., 57 Broadway; architect and builder, Thomas Stone.

Bedford Ave., *No.* 370, w s, 225' n Myrtle Ave., four-st'y frame tenement, tin roof; cost, $5,000; owner, architect and builder, A. McKnight.

Patchen Ave., n w cor. Madison St., three-st'y brick store and dwell., gravel roof; cost, $4,000; owner and contractor, J. P. Miller; architect, J. G. Glover; mason, not selected.

Jefferson St., s s, 20' w Throop Ave., 4 two-and-a-half-st'y brick dwells., tin roofs; cost, each, $5,000; owners, architects and builders, Phillips & Weild, 573 Greene Ave.

ALTERATIONS. — *Fifth Ave.*, *No.* 214, one-st'y brick extension, tin roof, iron cornice; cost, abt. $3,000; owner, John Devlin; architect, R. Bocklen.

South Fifth St., n e cor. Third St., altered for store and flats; cost, $4,200; owner, Thomas Husson, Jamaica; architect, E. F. Gaylor; builders, M. Smith and R. B. Ferguson.

Chicago.

BUILDING PERMITS. — A. Ruess, two-st'y dwell., 3815 Johnson Pl.; cost, $3,000.

A. McIntosh, 2 two-st'y dwells., 3112-3114 South Park Ave.; cost, $10,000; architects, Wheelock & Clay.

C. H. Kaufman, two-st'y flats, 752 California Ave.; cost, $2,500; architect, C. W. Boynton.

Mrs. M. Hinsdale, two-st'y dwell., 283 Leavitt St. cost, $3,500.

H. Hulvie, two-st'y flats, 351 Thirty-sixth St.; cost, $2,800.

W. S. Edbrooke, two-st'y livery stable, 966-968 Robey St.; cost, $5,000; architect, W. S. Edbrooke.

Geo. Spohr, two-st'y store and dwell., 799 Elston Road; cost, $3,500; architect, E. Reichert.

C. P. Peterson, three-st'y dwell., 17 Wendell St.; cost, $4,600.

A. G. Sears, 2 two-st'y dwells., 33-37 Artesian Ave.; cost, $6,000; architects, Scott & Gage.

J. Cilian, three-st'y dwell., 198 Twentieth St.; cost, $3,800; architect, L. Novig.

T. Michelecky, three-st'y dwell., 447 Twentieth St.; cost, $4,600; architect, L. Novig.

J. Palt, three-st'y store and dwell., 3201 Laurel St.; cost, $6,400; architect, L. Novig.

W. Sheaf, three-st'y flats, 1030 West Harrison St.; cost, $4,500; architect, A. Bessler.

F. Albrecht, three-st'y dwell., 494 Jefferson St.; cost, $6,000; architect, J. Waska.

A. L. Crocker, four-st'y flats, 282 Indiana St.; cost, $5,000.

J. Weimand, two-st'y flats, 87 Jay St.; cost, $2,500; architect, E. Devine.

J. Voltz, four-st'y store and flats; cost, $10,000; architect, C. H. Gottig.

S. Anderson, two-st'y dwell., 515 Lasalle St.; cost, $10,000; architect, A. Cudell.

J. Long, two-st'y store and dwell., 877 Thirty-first St.; cost, $6,000; architect, P. Ruehl.

Mrs. J. Schuler, three-st'y dwell., 447 Sedgwick St.; cost, $4,500; architect, G. S. Spohr.

Mrs. Baumgarten, two-st'y dwell., 461 Congress St.; cost, $3,000.

G. L. Brown, three-st'y store and dwell., 124-126 Thirty-fifth St.; cost, $11,000; architect, L. B. Dixon.

D. J. Wren, 10 cottages, Coblentz St.; cost, $10,000.

D. J. Wren, 5 cottages, Coblentz St.; cost, $5,000.

M. Gallagher, 2 two-st'y flats, 2493-2495 Cottage Grove Ave.; cost, $7,000.

E. L. Thain, 2 two-st'y dwells., 3152-3154 Prairie Ave.; cost, $10,000; architect, E. L. Thain.

G. L. Lombard, 2 two-st'y dwells., 911-913 Kedzie Ave.; cost, $5,500.

S. J. Wakeman, three-st'y dwell., 1050 West Washington St.; cost, $4,000; architect, J. Speyer.

J. H. Bentz, two-st'y flats, 352 Congress St.; cost, $4,000.

C. Nagel, two-st'y dwell., 117 Seminary Ave.; cost, $4,000; architect, J. Schnoor.

B. Quigley, three-st'y store and flats, 444 West Twelfth St.; cost, $6,000; architect, C. McAfee.

A. Williams, 2 two-st'y dwells., 292-294 Idaho St.; cost, $6,000; architect, A. Williams.

J. Waldhauser, four-st'y stores and flats, 186 North Clark St.; cost, $9,000; architect, E. Baumann.

H. Reymer, two-st'y store and dwell., 653 North Paulina St.; cost, $3,500.

S. W. Rawson, 5 cottages; cost, $4,500.

W. L. Burnham, two-st'y dwell., 456 Orchard St.; cost, $3,000; architects, Burnham & Root.

D. T. Jack, two-st'y flats, 294 Park Ave.; cost, $2,500.

W. Fallows, 3 three-st'y flats, 347-351 Washington Boulevard; cost, $30,000; architect, E. E. Snider.

Mrs. Williams, two-st'y flats, 1056 West Park St.; cost, $2,800.

J. Scannell, two-st'y flats, 722 Hinman St.; cost, $2,800.

H. S. Fitch, two-st'y barn, Michigan Ave.; cost, $3,500.

B. F. Nourse, two-st'y dwell., 3649 Grand Boulevard; cost, $6,000; architects, Wheelock & Clay.

C. Nelson, three-st'y flats, 390 Erie St.; cost, $4,000.

W. Bussell, two-st'y flats, 972-974 Walnut St.; cost, $3,000; architect, G. Isaacson.

Kansas City, Mo.

MILL. — Plans have been completed for the construction of a linseed oil mill in the east bottoms. The building will be a story brick. It is being built by Mr. James Johnson, a St. Louis capitalist.

SHOT-TOWER.—Mr. F. C. Ripley, of Dubuque, Ia., and Mr. Hugh Merril of Cincinnati are preparing to establish a shot-tower in this city.

BUILDING PERMITS. — Behney & Everett, brick business block, 13-23 East Eleventh St.; cost, $15,000.

Philip Smith, brick block, cor. Fourth and Cherry Sts.; cost, $15,000.

S. Z. Shutte, brick business house, 1207 and 1209 Grand Ave.; cost, $35,000.

W. A. Halbert, brick house on Broadway; cost, $5,000.

Mrs. C. E. Bramwell, block, 720 Troost Ave.; cost, $9,000.

L. A. Willard, business block, 901 Broadway; cost, $18,000.

V. Hansauld, frame block, Terrace St.; cost, $4,500.

J. T. Eagers, brick house, cor. Fourteenth and Tracy Sts.; cost, $5,000.

Ernest Stoltze, business block, 1415 Grand Ave.; cost, $5,000.

D. S. Long, brick business block, 1413 Grand Ave.; cost, $5,000.

W. C. Tabb, brick house, Charlotte St.; cost, $4,000.

W. H. Chick, brick house, cor. Eleventh and Brooklyn Aves.; cost, $10,000.

Minneapolis, Minn.

BUILDING PERMITS. — E. D. Jackson, two-st'y wood dwells., s s Linden Ave., bet. Sixteenth and Seventeenth Sts., n; cost, $3,000.

C. W. Lasher, alteration store-building, n e cor. Tenth Ave. and East Third St., s; cost, $3,400.

ue the study of our most modern liter-
ransatlantic appreciation of the labors
nen meant proportionate remuneration
ay be satisfactory to a writer to know
sands of sympathetic men and women
l San Francisco; but at present he is
popularity profits him little or nothing.
of "The Data of Ethics" for 10 cents
very largely to Mr. Herbert Spencer's
philosopher who can find consolation
t that he has been elected a member
on *Daily News*.

New York *Daily Commercial Bulletin*,
losses in the United States and Can-
This is a decided improvement upon
egate of fire-loss in August or ten
August, 1884, the fire-loss was about
here is ground for encouragement in
less the fire-losses of the year, to the
, with four months yet to hear from.

FRANCISCO WAS ROOFED. — I will add
f the first house in what is now the
never have seen any correct relation
illiam Richardson, an Englishman, in
of sun-baked clay, about four inches
or so, square on the surface. The
sing ground, 300 yards, more or less,
ling. Richardson had, some years
family. His wife was a most ex-
her husband, who was an idle, dil-
nce, but without force or decision
e up, rafters for a steep roof were
rips of raw-hide. It was Richard-
tiles taken from some of the old
But without doing so at once, feel-
e of dry weather, he put his wife,
s household belongings into it and
he had delayed too long with his roof;
with rain, and the edge of night was
d to the beach like one frantic, and
the trouble. Before he got over the
on see my distress! Indeed, indeed,
I care for or have is exposed to the
e old sails to shelter us as quickly as
Richardson," I said. "You shall in-
an give you." All hands were turned
fore maintopsails were unbent
o boa th the second officer and
strong strokes to the beach; active
adling canvas promptly covered over
e first roof to the first house built in
od long enough to have a history, for
st-office and as a custom-house; and
Vigilance Committee" was hanged
w York Evening Post.

—News comes from Berlin that the
the Baltic, through Holstein, to the
ade. The cost of the undertaking is
which one-third is to be borne by
ributed over the other parts of the
t is now engaged upon the details of
he whole project, which is spoken of
undertaken in a time of peace. The
n of the kind for facilitating commu-
North Seas. It is now just a century
was opened for traffic by the Danish
verses the peninsula between the port
of the River Eider on the west coast
which provinces it forms the frontier
onstituted for half its length of the
jected on such an insufficient footing,
eat and Skager Rack is still enforced
feet draught sailing from or return-
vious that the construction of a canal
ie could be only a question of time.
rom the diversion of the traffic from
a short cut through the neck of the
e of time, risk and wear-and-tear —
weighed by the German Government,
rtly to be made apparent. The new
its termini, from which port it will
until it debouches in the estuary of the
ed is about sixty miles, and the canal
e to vessels of the heaviest tonnage.
ips used to pass through the Sound
ore worth $750,000 per annum to Den-
een of the chief maritime States, held
ted by the payment of a lump sum of
rment. The hostility with which the
egarded in Denmark is not, therefore,
has been looked forward to by the
almost as a commercial necessity; and
g-Holstein by Germany its construction
d as an inevitable consequence of the
me Denmark can hardly, perhaps, be
h indifference; and the withdrawal of
reduced coast line must be allowed to
n her future prosperity. — *Iron Age*.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

324,803. CLAMP. — Fredrick J. Bancroft, Pawtucket, R. I.

324,818. LOCK. — George B. Cowles, New Britain, Conn.

324,819. SASH-BALANCE. — Levi M. Devore, Freeport, Ill.

324,830. SASH-FASTENER. — Lee S. Garrett, Fulton, Ky.

324,841. APPARATUS FOR UTILIZING THE WASTE HEAT FROM RANGES. — William T. Holland, Brooklyn, N. Y.

324,842. SCROLL-SAWING MACHINE. — Henry L. Hopkins, Caro, Mich.

324,847. WOOD-TURNING LATHE. — William A. Kettenring, Defiance, O.

324,855. DRAWING-BOARD. — Charles N. Leonard, Indianapolis, Ind.

324,860. PROCESS OF DECORATING PAPER AND OTHER MATERIALS WITH OIL-COLORS. — Mary B. Martin, New York, N. Y.

324,874. SWING-JOINT FOR STEAM. — Horace J. Morton, Chicago, Ill.

324,883. SASH-FASTENER. — Edward T. Prindle, Aurora, Ill.

324,885. SASH-HOLDER. — Frank L. Rosentreter, Cleveland, O.

324,914. FIRE-ESCAPE. — Edward H. Bergmann, Cimarron, N. Mex.

324,915. GONG DOOR-BELL. — Rudolph R. Buehler, Philadelphia, Pa.

324,929. SUPPORT FOR STEAM-PIPES. — John Finnegan, Philadelphia, Pa.

324,941. FABRIC FOR WALL DECORATION. — John Klee, New York, N. Y.

324,943. TRANSOM-LIFTER. — Albert Langstrom, Council Bluffs, Ia.

324,971. FIRE-ESCAPE. — Richard Woollscroft, Streator, Ill.

324,977. AUTOMATIC FIRE-EXTINGUISHER. — Chas. Barnes, Dayton, Ky.

324,989. SHUTTER-WORKER. — Jehiel C. Driggs, Newark, N. J.

324,994. METALLIC ROOFING. — Frank A. Guthrie, Gallipolis, O.

325,001. WRENCH. — John McLean, Camden, Ala.

325,010. WRENCH. — Daniel R. Porter, Revere, Mass.

325,028. LOCK. — Charles F. Veit, London, Eng.

325,032. CHIMNEY-CAP. — Jerome W. Wetmore, Erie, Pa.

325,036. COMBINED CALIPER PROTRACTOR AND BEVEL. — Frederick W. Woodhull, Lincoln University, Pa.

325,090. WALL-COVERING. — George Jordan, New York, N. Y.

325,142. FIRE-ESCAPE. — John H. Wilson, Camden, N. J.

325,153. OVERFLOW-FIXTURE TRAP. — Frederic L. Brown, Scranton, Pa.

325,157. HANDSAW. — George N. Clemson, Middletown, N. Y.

325,169. PAINT COMPOSITION. — Platt C. Connell, Chicago, Ill.

325,172. SHEET-IRON LOCK-JOINT SPILE. — Hirom C. Herron, Cleveland, O.

325,180. FIRE-ESCAPE. — Franz Kogoschek, Hoboken, N. J.

SUMMARY OF THE WEEK.

Baltimore.

HOTEL AND STORES. — W. F. Weber, architect, has prepared plans for P. Fitzpatrick for a three-st'y brick and brown-stone building to be used as a hotel, 62' 6" x 64', and 3 three-st'y brick and brown-stone buildings, 18' x 62' each, adjoining, to be erected on Charles St., near the Falls, and to cost $25,000; August Dagenhart, builder.

BUILDING PERMITS. — Since our last report twenty-four permits have been granted, the more important of which are the following: —

S. Richmond, three-st'y brick building, s e cor. Harford Ave. and Hoffman St.

Fredk. Cook, three-st'y brick building (sq.), n s Sarah Ann St., bet. Pearl and Pine Sts.

Church of Our Saviour, three-st'y brick parsonage, s w cor. Broadway and McElderry St.

Colin Stewart, three-st'y brick stable, s e cor. North and Mt. Royal Aves.

Bernhard Link, 2 two-st'y brick buildings, e s Port Alley, bet. Lancaster and Aliceanna Sts.

W. A. Moale, 6 two-st'y brick buildings, s s Ostend St., e Light St.; and 2 two-st'y brick buildings, n s Gittings St., in rear.

Jas. P. McGovern, 2 three-st'y brick buildings, w s Aisquith St., n Preston St.

E. Berkley, four-st'y brick building, 25' x 64', s s Franklin St., w Howard St.

J. W. Stewart, 21 two-st'y brick buildings, com. n w cor. Hanover and Barney Sts.; and three-st'y brick building, n s Barney St., w Hanover St.

F. Wilkerson, 3 two-st'y brick buildings, w s Stockton Alley, bet. Edmonson and Harlem Aves.

Morgan Bros., 3 two-st'y brick buildings, n s Stockholm St., bet. Pinkney Alley and Washington Road.

Chas. F. Nanuth, three-st'y brick building, w s Washington St., n Jefferson St.

Boston.

COURT-HOUSE. — Mr. John McArthur, Jr., architect of Philadelphia, will serve with the court-house commission as expert to decide upon the merits of the preliminary plans to be submitted September 16 for the new court-house.

BUILDING PERMITS. — *Wood.* — *Swett St.*, near N. Y. & N. E. R. R., mechanical, 25' x 40'; owner, Bradley Fertilizer Co.; builder, C. Tilden, Jr.

Condor St., near Putnam St., dwell., 20' x 28'; owner, William Davis; builder, Vincent McIsaacs.

Allston St., near Melville Ave., dwell., 29' x 32' 6"; owner, Arthur H. Vinal; builder, E. Shapleigh.

Allston St., near Melville Ave., dwell., 25' x 31'; owner, Arthur H. Vinal; builder, E. Shapleigh.

Adams St., cor. Malvern St., stable, 25' x 30'; owner, Mrs. W. Tileston; builder, F. M. Severance.

Cottage St., near Clifton St., dwell., 24' x 31'; owner and builder, W. W. Dromney.

Washington St., No. 2478, storage, 60' x 100'; owner, P. B. Smith; builder, Peter Hutchinson.

Winthrop St., near Blue Hill Ave., dwell., 22' x 28'; owner and builder, W. H. Handy.

Armandine St., near Milton Ave., dwell., 25' x 28'; owner and builder, Ephraim Moulton.

Washington St., near Melville Ave., dwell., 40' x 40'; owner, S. J. Capen; builder, A. B. Sherman.

Barnard Pl., near Barnard St., dwell., 15' x 26'; owner, Mrs. C. Jackson; builder, A. B. Sherman.

Blue Hill Ave., cor. Private Way, dwell. and store, 24' x 33'; owner, Thomas Mulhern; builder, W. V. Tent.

Rand St., s, dwell. and store, 24' x 33'; owner, Thomas Mulhern; builder, W. V. Tent.

Private Way, from Blue Hill Ave., dwell. and store, 23' x 33'; owner, Thomas Mulhern; builder, W. V. Tent.

Rand St., s, 2 dwells. and stores, 23' x 33'; owner, Thos. Mulhern; builder, W. V. Tent.

Tremont St., No. 1159, storage, 10' x 21'; owner, and builders, Hayward & Co.

Ashley Ave., near Ford Ave., dwell., 24' x 30'; owner, Thomas Murray; builder, Thomas Yermans.

Brooklyn.

BUILDING PERMITS. — *Fourteenth St.*, s s, 97' 10" w Sixth Ave., 9 two-st'y frame (brick-filled) dwells., tin roofs; cost, each, $2,500; owners and builders, John Walters & Son, 375 Pacific St.

Suydam St., s s, 319' 11" e Myrtle Ave., 2 three-st'y frame tenements (brick-filled) tin roofs; cost, each, $4,000; owner and builder, George Straub, 11 Lewis Ave.; architect, Th. Engelhardt.

Monroe St., s s, 300' w Ralph Ave., 3 two-st'y brick dwells., tin roofs; cost, total, $9,975; owner, B. A. Demill, Sumpter St., cor. Stone Ave.; architect, F. Holmberg; builder, F. Stemler.

Atlantic Ave., n s, 50' w Nostrand Ave., 4 two-st'y brick dwells., tin roofs; cost, total, $8,000; owner, J. J. Drake, 397 Fulton St.; architect and builder, J. N. Smith.

Bergen St., s s, 80' e Franklin Ave., two-st'y brick stable, gravel roof, iron cornice; cost, $2,500; owner, O. B. McAveney, 992 Bergen St.; architect, W. H. Hazzard's Sons.

Sumpter St., n w cor. Howard Ave., two-st'y frame (brick-filled) store and dwell., tin roof; cost, $3,000; owner, J. V. Hasselin, Marion St.; architects and contractors, Ames & Waldron; mason, E. Sutterlin.

Seventeenth St., n s, 225' e Fourth Ave., three-st'y brown-stone dwell., tin roof; cost, $8,700; owner, W. H. Williams, 607 Third Ave.; builder, Geo. Ingram.

Fulton St., s s, 280' e Howard Ave., three-st'y brown-stone store and dwell., gravel roof; cost, $6,000; owner, Th. Donohue; architect, B. T. Robbins.

Fulton St., s s, 40' e Howard Ave., 9 brown-stone dwells., 8 three-st'y and 1 two-st'y, gravel roofs; cost, each, $6,000 and $4,500 for 1; owner and architect, Benj. T. Robbins, Northport, L. I.; builder, E. K. Robbins.

Moffat St., s s, 150' e Knickerbocker Ave., two-st'y frame (brick-filled) dwell., tin roof; cost, $2,600; owner, John Morrow, 1279 De Kalb Ave.; architect, H. Vollweiler.

Fayette St., No. 19, n s, near Broadway; three-st'y frame store and tenement, tin roof; cost, $4,200; owner, Jacob Kraus, 19 Fayette St.; architect, H. Vollweiler.

Elm St., s s, 120' e Broadway, three-st'y frame (brick-filled) flat, tin roof; cost, $4,000; owner, architect and builder, H. Vollweiler, 788 Broadway.

Debevoise St., s s, 44' w Morrell St., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,000; owner, John Wegeman, 100 Debevoise St.; architect, H. Vollweiler.

Park Ave., s s, 90' e Nostrand Ave., three-st'y frame factory, tin roof; cost, $11,500; owner, Thos. W. Hynes, Flatbush; architect, T. F. Houghton; builders, S. H. O'Rourke and D. Ryan.

Willoughby Ave., s w cor. Hall St., 5 three-st'y brown-stone dwells., tin roofs; cost, each, $4,500; owner and builder, Henry L. Coe, 535 Washington Ave.; architect, A. Hill.

Vanderbilt Ave., No. 32, three-st'y brick tenement, tin roof; cost, $5,500; owner, Mrs. Newton, 32 Vanderbilt Ave.; architect, W. M. Coots; masons, Assip & Buckley.

Hart St., s s, 100' w Marcy Ave., 4 two-and-a-half-st'y brown-stone dwells., tin roofs; cost, each, $5,000; owner and builder, Thomas E. Greenland, 256 Kosciusko St.; architect, I. D. Reynolds.

Concord St., s e cor. Liberty St., four-st'y brick laundry, tin roof; cost, $30,000; owner, J. P. Traffe, 202 Fulton St.; architect, C. F. Eisenach; builders, T. B. Rutan and W. Zang.

Union Ave., w s, 50' s Grand St., four-st'y brick store and tenement, tin roof; cost, $10,000; owner, L. Wintgen; builders, J. Rodwell and S. Hough.

Dean St., s s, 200' w Vanderbilt Ave., two-st'y brick factory, tin roof; cost, $3,000; owners, H. Humbert & Co.; architect, R. Dixon; builder, J. Gordon.

Water St., near Fulton St., on Bridge property, two-st'y brick station, slate roof; cost, $7,000; owner, Brooklyn Elevated Railroad, 49 Fulton St.; architect, J. Mumford; builders, T. B. Rutan and E. Snedeker.

Gates Ave., n s, 25' e Marcy Ave., three-st'y brick store, tin roof; cost, $6,700; owner, John Canabez, Marcy and Gates Aves.; architect, I. D. Reynolds; builders, J. Rickard and T. Donnelly.

Decatur St., s s, 40' e Sumner Ave., 2 three-st'y brown-stone dwells., tin roofs; cost, $14,000; owner, J. M. Brown, 527 Quincy St.; architect, A. Hill.

Marion St., s s, 125' e Howard Ave., two-st'y frame (brick-filled) dwell., tin roof; cost, $5,000; owner, Charles Schmitt, 188 Marion St.; builders, J. Pirrung and C. Horn.

Fourth Ave., e s, 25' s Twelfth St., two-st'y brick stable, gravel roof; cost, $3,500; owners and masons, Assip & Buckley; architect, W. M. Coots.

Seventh Ave., n e cor. Tenth St., 2 three-st'y brown-stone stores and dwells., tin roofs; cost, total, $12,000; owner, J. Nickenig; architect, R. Dixon; builder, L. Bonnard.

Union St., s s, 150' w Bond St., three-st'y brick dwell., tin roof; cost, $6,000; owner and architect, William Clemens, 438 Union St.

Hicks St., No. 475, e s, 275' s Harrison St., four-st'y brick tenement, tin roof; cost, $10,000; owner, N. H. Frost, 41 Remsen St.; architects, W. H. Hazzard's Sons.

Bedford Ave., w s, 62' n Lexington Ave., 2 five-st'y brick tenements and stores, tin roofs; cost, abt. $25,000; owner, J. M. Horton Ice Cream Co., 453 Fulton St.; architect, F. E. Lockwood.

ALTERATION. — *Bedford Ave., No.* 599, new plastering and repair damage by fire; cost, $7,000; owner, architect and builder, Thomas H. Brush, 128 Flatbush Ave.

Chicago.

BUILDING PERMITS. — M. McGinnis, 3 two-st'y dwells., 997-1001 West Harrison St.; cost, $6,000; Strippleman, architect.

N. Lutz, two-st'y dwell., 857 Thirty-fourth St., cost, $2,700.

J. Tobison, three-st'y stores and flats, 2837-2839 Cottage Grove Ave.; cost, $12,000; architect, J. M. Vanosdel.

G. F. Fricke, two-st'y dwell., 3747 Walnut St.; cost, $4,500; architect, F. Ahlschlager.

J. D. Vorak, three-st'y flats, 484 Jefferson St.; cost, $5,000.

F. Suva, three-st'y flats, 32 O'Brion St.; cost, $4,300.

A. Mulinke, two-st'y dwell., 432 Lincoln Ave.; cost, $2,700.

H. M. Fox, two-st'y dwell., 3763 Ellis Ave.; cost, $3,000; architect, L. B. Dixon.

W. G. Jackson, two-st'y dwell., 937 West Adams St.; cost, $8,000.

A. D. Coleman, two-st'y addition, 2738 Portland Ave.; cost, $3,700.

L. Schutt, two-st'y flats, 119 Seminary Ave.; cost, $3,000.

O. H. Niedner, cottage, 388 West Division St.; cost, $3,400.

C. Sheer, 2 three-st'y dwells., 3406-3408 State St.; cost, $7,000; architects, Thomas & Rodger.

A. Kuh, two-st'y dwell., 3142 Michigan Ave.; cost, $10,000; architects, Adler & Sullivan.

J. Long, two-st'y flats, 351 Lincoln Ave.; cost, $4,500.

Wm. Sims, two-st'y flats, 1142 Taylor St.; cost, $2,800.

O. C. Walcott, three-st'y dwell., 3831 Vincennes Ave.; cost, $3,000.

H. Sweet, 3 two-st'y stores and flats, 1454-1456 Milwaukee Ave.; cost, $6,000; architect, G. Hulke.

P. Powers, two-st'y flats, 346 Polk St.; cost, $3,500; architect, N. Provost.

M. W. Carter, two-st'y barn and milk depot, 444-446 Adams St.; cost, $3,000.

G. A. Webb, two-st'y dwell., 978 Wilcox Ave.; cost, $3,000; architect, G. A. Webb.

J. Piamondon, three-st'y flats, 461 Wood St.; cost, $3,500; architect, J. L. Leban.

T. Brennan, two-st'y dwell., 634 Ashland Ave.; cost, $3,500; architect, J. J. Flanders.

W. C. Seipp, two-st'y dwell., 2958 Groveland Ave.; cost, $6,000, architect, C. Cudell.

M. Laux, three-st'y flats, 39 Delaware Pl.; cost, $5,000; architect, J. Huber.

T. W. Wolff, shop, 302-306 Hawthorne Ave.; cost, $3,000.

F. Greenwald, two-st'y store and dwell., 183 West North Ave.; cost, $2,900.

H. Schell, three-st'y store and flats, Wentworth Ave.; cost, $8,000.

J. E. Taylor, two-st'y dwell., 2954 Calumet Ave.; cost, $18,000.

M. C. Dobbin, one-st'y addition, 267-273 Twentieth St.; cost, $3,000.

Chicago City Railroad Co., Thirty-ninth and Cottage Grove Ave.; cost, $6,000.

N. Busch, elevator, Cherry St.; cost, $12,000.

F. Furlong, two-st'y store and flats, 502 Austin Ave.; cost, $2,800.

J. H. Blair, two-st'y flats, 470 Carroll Ave.; cost, $3,500; architect, J. H. Blair.

Mrs. A. Miller, dwell., 582 Sedgwick St.; cost, $6,000; architect, F. Berlin.

A. J. Doyle, two-st'y dwell., 500 West Jackson St.; cost, $5,500.

J. Lindahl, two-st'y flats, 451 Dayton St.; cost, $7,000; architect, Strippleman.

Mrs. M. G. Clancy, two-st'y dwell., 3244 Vernon Ave.; cost, $4,000; architect, R. Ray.

Mrs. R. Corlett, two-st'y flats, 1068 Halsted St.; cost, $3,000.

P. O'Donnell, remodel church; cost, $10,000.

R. Herbert, two-st'y dwell., 183 Fremont St.; cost, $2,700.

Phœnix Distillery Co., four-st'y distillery, Clybourne Ave.; cost, $18,000; architect, P. J. Killen.

Dr. M. W. Cortley, 2 two-st'y dwells., 295-297 Centre Ave.; cost, $6,000.

J. Hoffman, three-st'y stores and dwells., 464-470 Ogden Ave.; cost, $17,000; architect, A. Smith.

C. L. Jenks, 8 three-st'y dwells., Clark St.; cost, $37,000; architect, J. Spyer.

T. Raymond, 3 three-st'y dwells., 303 and 305 Indiana St.; cost, $11,000; architect, E. M. Branch.

of that deeper, broader poetry that un-
itutions. It could have been raised no-
omed to the horrors of war could have
corn-stalks; but a corn-stalk bayonet is
one, nevertheless. The Kansans built
y are proud of their mammoth, shining
are to be proud of, though not so wor-
prosperity that made their growth and
e: those are in direct accord with the
ter for his reunited country. — *Spring-*

es the Conquest. — A correspondent
Deerhurst, in Gloucestershire: Within
overy has been made here of the exis-
. It was always known that a portion
urt, belonging for centuries, first to the
Chapter of Westminster, was of con-
nothing on the surface to determine
ys, however, it has been subjected to
hidden for ages have been brought
small, 30 feet long on the inside, with
. Its four external walls are perfect.
a large round-headed archway, having
smaller archway is found in the wall
Both these archways tend slightly to
ay, the centre of the semi-circular head
arch. The house must have always
here is now to be seen a round-headed
outside. The reason for assigning so
dwelling house is the following: Its
are follows closely that of Deerhurst
's throw of it. Now, there is good
was built in the year 1056. The late
st dated church in England." Just
ard the Confessor gave the large Deer-
on which Abbot's court stands, to his
minster. Abbot's court may have been
donation. It is singular that close to
ild be standing another also of remark-
Priory, which was a religious house
d belonged to the Abbey of St. Denis,
ings still exist, and they show a Nor-
habited house.

uc f Niagara's Cantilever
con on of the Michigan Central
Niagar, two years ago, has been re-
on trial at Lockport for the last three
ige Henry A. Child and a jury. The
urner, of Suspension Bridge, against
s, of Buffalo, to recover over $3,000
nnected with it on the gigantic "false
uilt from top to bottom of the high
ver the water on either side. It was
undertaken in this region, and in itself
connected with the Cantilever Bridge.
d in *The Times* of September 2, 1883,
ited to the jury on this trial. The
as the Central Bridge Company, of
et for the construction of the bridge.
, Simms & Mitchell under a precise
the direction of the work to the engi-
ed any further subletting. Notwith-
id let to the plaintiff the false work.
the work, beginning at the top and
rupted by the engineer, who insisted
at in the excavation of "mud sills"
nk the throwing out of the soil and
form a shaky and insufficient founda-
the whole work be endangered, re-
should begin at the bottom of the
ified by the plaintiff the additional
n the way required by the engineer
long "slides" for the timbers, and
1,000 to it. The plaintiff says that
Field and stated the difficulty to him
ss the additional sum was paid him;
rk, spoke of the great importance of
ed of avoiding delay, and finally told
ording to the views of the engineer,
ild pay the extra expense. This new
Field. He swore that he answered
& Mitchell were under contract to do
pay no one else, and would not pay
a mass of evidence, most of which
the value of it, and the difficulty of
red by the engineer. There was ab-
ate either party as to the question of
the extra work, but the probabilities
denial, inasmuch as the defendants
of Dawson, Simms & Mitchell to do
was closed on Friday night. At the
g neither the plantiff nor his attorney
ceeded with his charge without any
d it when the plaintiff and his counsel
ermission to address the jury. This
charge was finished. It was rather
jury returned a verdict for the plaint-
mere -third of the expense of a
w Yo es.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

BUILDING PATENTS.

[*Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.*]

325,231. Sewer-Trap and Cesspool.—Howard G. Badgley, New York, N. Y.
325,237. Device to be substituted for Thresholds. — Alfred A. Chase and Daniel H. Hesselton, Holden, Mass.
325,243. Ventilating Attachment. — Benjamin J. Goldsmith, Saratoga Springs, N. Y.
325,245. Sliding Door. — Herbert H. Hewitt, New York, N. Y.
325,281. House-Furnace.—James Spear, Philadelphia, Pa.
325,299. Door-Opener.—Chas. E. Whitney, Brooklyn, N. Y.
325,333. Window Construction and Fastening and Hinge.—Ole Flagstad, Hamar, Norway.
325,381. Fire-Escape. — William C. Barkley, Litchfield, Ill.
325,399. Fire-Escape. — Daniel F. Davis, Easton, Pa.
325,417. Smoke-House.—Joseph Kremser, Springfield, N. Y.
325,445. Attaching Knobs to Spindles. — Wm. Regan, Branford, Conn.
325,449. Cut-off. — Frederick Schueler, La Salle, Ill.
325,450. Fire-Escape.—Samuel Snyder, White Sulphur Springs, Mont.
325,463. Annunciator. — Henry E. Waite, New York, N. Y.
325,479. Spirit-Level. — Robert Barker, Lansing, Mich.
325,481. Sash-Fastener.—Wm. J. Barron, Huntsville, Ala.
325,484. Sinking Hydraulic Piles. — Lowell E. Blake, El Paso, Tex.
325,486. Trap for Bath-Tubs, Sinks, Etc.—Chas. A. Blessing, Philadelphia, Pa.
325,505. Scratch - Guage. — David S. Conrad, Waynesborough, Pa.
325,529. Window - Screen. — Steele F. Gillmore, Princeton, Ind.
325,545. Knob Attachment.—Robert M. Keating, Springfield, Mass.
325,553. Automatic Valve for Sewer-Pipes. — Thomas L. McKeen, Easton, Pa.
325,554. Steam-Radiator. — Thomas L. McKeen, Easton, Pa.
325,556. Joint for Metal Tubes. — William A. Miles, Copake Iron Works, N. Y.
325,571. Spokeshave. — Charles W. Smith, Westerly, R. I.
325,587. Water-Closet. — William Bunting, Jr., Boston, Mass.
325,597. Weather - Strip. — Green L. Fowler, Clarksburg, Mo.

SUMMARY OF THE WEEK.

Baltimore.

Church. — The corner-stone of St. Gregory Roman Catholic Church, in the north-western section of the city, was laid September 13.

Building Permits. — Since our last report thirty-five permits have been granted, the more important of which are the following: —

Schamburg & Dashield, 5 three-st'y brick buildings, e s Riverside Ave., s Clement St.

C. Wolf, three-st'y brick building, n s Lombard St., bet. Eden and Spring Sts.

John Miller, 3 two-st'y brick buildings, w s Bruce Alley, n Harlem Ave.

Dr. G. H. Grimes, 2 three-st'y brick buildings, n s Fayette St., bet. Frederick and Harrison Sts.

R. L. Cutting, 5 three-st'y brick buildings, w s Charles St., s Hoffman St.

S. B. Derr, 6 three-st'y brick buildings, e s Linden Ave., n Robert St.

F. Wilson, 5 three-st'y brick buildings, s s Edmonson Ave., com. cor. Kirby's Lane.

W. H. Fowler, 11 two-st'y brick buildings, n s St. Joseph's St., e Bond St.

E. W. Gorman, 19 two-st'y brick buildings (sq.) s s Christian St., bet. Payson and Monroe Sts.

G. W. Donohue, 4 two-st'y brick buildings, n s Jefferson St., bet. Chester and Duncan Alley; and 12 two-st'y brick buildings, w s Duncan Alley, bet. Jefferson and McElderry Sts.

G. W. Moke, Jr., 4 three-st'y brick buildings, w s McCulloch St., n of Laurens St.

Boston.

Building Permits. — *Wood.* — *Chambers St.*, cor. Waters St., dwell. and store, 12′ x 19′ and 19′ x 40′; Mrs. J. Harleigh, owner; J. McCusher, builder.

Brick.—Marlborough St., No. 401, dwell., 36′ x 58′; owner, William Simes; builder, G. F. Shepard.

Dudley St., cor. Langdon St., school., 85′ 6″ x 141′; owner and builder, City of Boston.

Decatur St., No. 4, tenement, 22′ x 37′; owner, John May, builder, Peter Scheil.

Brooklyn.

Building Permits. — *Lafayette Ave.*, n s, 250′ e Broadway, 6 two-and-a-half-st'y frame dwells., tin cornices; cost, each, $3,000; owner, Anna A. Fardon, 1145 Lafayeste Ave.; architect and mason, Alfred A. Fardon.

Cook St., w s, 100′ e White St., three-st'y frame shop and dwell., tin roof; cost, $3,500; owner, A. Fluegel, 73 Ten Eyck St.; architect, H. Vollweiler.

Fourth St., n s, 109′ 5″ e Hoyt St., one-st'y brick oven or kiln for burning tiles; cost, $6,000; owner, architect and builder, International Tile Co., 92 Third St.

Elm St., Nos. 82, 84, 86 *and* 88, s s, 25′ e Evergreen Ave., 4 three-st'y frame (brick-filled) tenements and one store, tin roofs; cost, total, $16,000; owners and builders, C. C. Grau and C. Hartmann, Sumner Ave. and Hopkins St.; architect, Th. Engelhardt.

Leonard St., No. 682, e s. 150′ n Meserole Ave., three-st'y frame dwell., gravel roof; cost, $6,000; owner, Mrs. Abby J. Bartlett, 209 Calyer St.; architect, F. Weber; builders, S. F. Bartlett and I. & J. Van Riper.

Prospect Pl., s s, 184′ e Rogers Ave., 3 two-st'y brick dwells., gravel roofs; cost, each, $7,500; owner, Mary E. Fowler, 8 Verona Pl.; architects, Parfitt Bros.; builder, L. Fowler.

Willow St., n e cor. Pineapple St., 3 four-st'y brick and brown-stone dwells., tin roofs; cost, total, $25,000; owner, Charles Arbuckle, Willow St.; architect, W. B. Tubby.

Fifth St., e s, 75′ n North Eleventh St., two-st'y frame factory and dwell. and one-st'y extension, felt roof; cost, $4,500; owner, Daniel Culhane, Fourth St., cor. South Fifth St.; architect and contractor, Thomas A. Akert; masons, Mead & Son.

Graham Ave., No. 466, e s, 75′ s Meeker Ave., three-st'y frame tenement, tin roof; cost, $4,800; owner, Antone Long, 38 Meeker Ave.; architects and contractors, Sammis & Bedford; masons, Doyle & Brazill.

Chauncey St., n s, 200′ e Patchen Ave., 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $3,500; owner, Johanna F. Sullivan, 1894 Fulton St.; architect, M. Walsh; builder, J. F. Sullivan.

Columbia Heights, No. 158, w s, 25′ s Clark St., four-st'y dwell., tin roof; cost, $25,000; owner, Wm. A. White, 125 Remsen St.; architect, W. B. Tubby; builders, J. Thatcher and F. D. Norris.

Sixth Ave., n s, 97′ 10″ w Sixth Ave., 3 two-st'y brown-stone dwells., tin roofs, wooden cornices; cost, each, $3,500; owner, architect and builder, Thos. Bulter, 371 Sixth Ave.

Ten Eyck St., No. 207, n s, 150′ e Humboldt St., four-st'y frame (brick-filled) tenement, tin roof; cost, $5,800; owner, Herman Wild, 226 Graham Ave.; architect, Th. Engelhardt; contractor, D. Kreuder; mason, C. Wahler.

Central Ave., Nos. 170, 172 *and* 174, s s, 73′ from Elm St., 3 three-st'y frame tenements, tin roofs; cost, total, $12,500; owner, Margaretha Schwab, 166 Central Ave.; architect, E. Schrempf; builder, G. Schwab.

Ivy St., No. 75, n s, about 300′ e Bushwick Ave., two-st'y frame dwell., tin roof; cost, $3,000; owner, John A. Hopper, 75 Woodbine St.; architect, A. Gariepy; builders, Simpson & Lowe.

Broadway, w s, 25′ s Ellery St., three-st'y frame store and tenement, tin roof; cost, $4,800 to $5,000; owner and architect, John Stockel, 249 Ellery St.

Wallabout St., s s, 175′ e Harrison Ave., three-st'y frame tenement, tin roof; cost, $4,500; owner, Geo. Schoch, 374 Wallabout St.; architect, H. Vollweiler; builders, Mr. Hoepfer and Mr. Fuchs.

Monroe St., s s, 80′ w Patchen Ave., three-st'y brick tenement, gravel roof, wooden cornice; cost, $4,000; owner, Phœbe M. Saxton, 75 Willoughby Ave.; architect and builder, R. Van Brunt.

Herkimer St., n s, 50′ w Buffalo Ave., 3 two-st'y frame (brick-filled) dwells., tin roofs; cost, each, $4,500; owner, W. Wubke Grothe, Herkimer St.; architect, E. Schrempf; builder, J. Hertlein.

Lafayette Ave., n w cor. Lewis Ave., 5 two-and-a-half-st'y brown-stone stores and flats, tin roofs; cost, corner, $7,000; others, each, $4,500; owner and builder, P. F. O'Brien; architect, I. D. Reynolds.

Alterations. — *Broadway*, w s, 50′ s Willoughby Ave., repair upper stories of four buildings damaged by fire; cost, $3,000; owner, Benj. Warner; builder, S. Faitoute.

Gates Ave., No. 885, three-st'y brick extension, tin roof, wooden cornice, interior alterations and new front walls; cost, $3,300; owner, A. S. Walsh, Madison St., near Reid Ave.; architect, C. Lincoln; builder, A. Miller.

Chicago.

Building Permits. — Mrs. H. A. Brown, two-st'y dwell., 3221 Cottage Grove Ave.; cost, $4,000; architect, Wm. Strippelman.

A. Kramer, two-st'y dwell., 1298 West Harrison St.; cost, $3,000.

S. Nelson, three-st'y flats, 376 La Salle St.; cost, $12,000; architect, Halberg.

H. Krick, 3 two-st'y dwells., 3437-3439 Prairie Ave.; cost, $9,000; architect, W. Strippleman.

A. Lowka, three-st'y store and flats, 105 Cleaver St.; cost, $6,000.

W. H. Hoyt, 2 four-st'y dwells., 347-349 Indiana St.; cost, $12,000; architect, A. Smith.

J. Ruddy, 3 three-st'y dwells., 117-121 Centre Ave.; cost, $9,000.

J. O'Malley, 2 three-st'y dwells., 3217-3219 Dearborn Ave.; cost, $12,000; architect, J. J. Flanders.

H. Frese, three-st'y dwells., 443 Dayton St.; cost, $5,000; architect, G. Spohr.

F. A. Degolyer, one-st'y store, 692 Congress St.; cost, $2,500; architect, E. S. Denison.

C. H. Hall, two-st'y dwell., 1218 Jackson St.; cost, $3,000.

O. Gumbinger, three-st'y store and dwell., 293 Clybourne Ave., cost, $5,000; architect, J. Bruhors.

Freiberg Bros., remodel building, Twenty-second St.; cost, $9,000.

P. D. Gill, two-st'y church, 91-93 Cypress St.; cost, $14,000; architect, J. J. Eagan.

H. Dammann, three-st'y store and dwell., 1198 Milwaukee Ave.; cost, $9,000; architects, Schaub & Berlin.

H. Stech, two-st'y dwell., 566 North Robey St.; cost, $4,000.

Mrs. M. E. J. Moody, two-st'y flats, 2430 Dearborn Ave.; cost, $5,000.

J. M. Sanders, 2 two-st'y stores and flats, 204-206 Colorado Ave.; cost, $4,200.

J. L. Campbell, 11 two-st'y dwells., Warren Ave.; cost, $50,000; architects, Edbrooke & Burnham.

G. P. Holmes, two-st'y dwell., 687 Washington Boulevard; cost, $10,000; architect, J. J. Flanders.

J. Sheehey, three-st'y store and dwell., 448 West Harrison St.; cost, $6,000; architect, H. Van Pelt.

M. Burgeson, three-st'y store and dwell., 242 Division St.; cost, $7,000; architect, S. Lenderoth.

G. Link, two-st'y dwell., 238 North State St.; cost, $3,000; architect, J. Huber.

E. A. Bassett, two-st'y dwell., 3546 Indiana Ave.; cost, $6,500; architect, H. Van Pelt.

L. Metz, four-st'y factory, 145 Ontario St.; cost, $8,000; architect, C. Berlin.

A. Jansen, three-st'y dwell., 154 Rumsey St.; cost, $4,000.

Grant Place Methodist Church, two-st'y church, 1001-1007 North Halsted St.; cost, $28,000; architect, W. A. Furber.

J. De Vos, two-st'y store and dwell., 211 Racine Ave.; cost, $3,000.

J. Hutton, two-st'y flat, 215 Seminary Ave.; cost, $3,000.

T. Crowley, 6 one-st'y cottages, 1235-1247 Fifteenth St.; cost, $6,000.

J. H. Broham, two-st'y flats, 281 Idaho St.; cost, $3,000.

J. Coughlan, two-st'y dwell., 82 Centre Ave.; cost, $4,000; architect, J. V. Wadskier.

A. Melta & Bro., two-st'y factory, Halsted St.; cost, $6,000.

J. L. Campbell., two-st'y dwell., 117 Leavitt St.; cost, $5,000; architect, W. Strippleman.

J. L. Campbell, two-st'y dwell., 263 Campbell Ave.; cost, $4,000; architect, C. A. Weary.

G. Farwell, two-st'y dwell., 1625 Prairie Ave.; cost, $10,000; architects, Treat & Foltz.

Mrs. E. Young, two-st'y dwell., 461 Warren Ave.; cost, $3,000.

J. Ran, 2 two-st'y dwells., 383-385 Marchfield Ave.; cost, $8,000; architect, T. M. Bell.

J. E. Young, two-st'y dwell., 97 McAllister Pl.; cost, $8,000; architects, Treat & Foltz.

J. & M. Wolff, 4 two-st'y dwells., 3149-3155 Calumet Ave.; cost, $20,000; architects, Edbrooke & Burnham.

Kansas City, Mo.

Building Permits.—John J. Green, brick dwell and store, East Eighth St.; cost, $10,000.

Standard Implement Company, alteration business block, 1312-1314 West Eleventh St.; cost, $6,000.

Standard Implement Company, five-and-a-half-st'y business block, 1316-1318 West Eleventh St.; cost, $30,000.

P. Small, frame block, Montgall Ave.; cost, $4,000.

Dr. S. E. Trott, brick dwell., 1313 Troost Ave.; cost, $5,000.

M. E. Jones, frame dwell., cor. Garfield and Pendleton Aves.; cost, $3,700.

Mrs. E. J. Railsback, brick and stone block, cor. Thirteenth and Jefferson Sts.; cost, $24,000.

Irving Queal, brick block, Tracy Ave.; cost, $6,000.

Minneapolis, Minn.

Building Permits.—P. G. Lameraux, two-st'y wood dwell., w s First Ave., bet. East Thirty-second and East Thirty-third Sts.; cost, $8,000.

P. G. Lameraux, two-st'y wood dwell., e s Nicollet Ave., bet. East Thirty-second and East Thirty-third Sts.; cost, $8,000.

P. G. Lameraux, two-st'y wood dwell., e s Nicollet Ave., bet. East Thirty-second and East Thirty-third Sts.; cost, $8,000.

P. G. Lameraux, two-st'y wood dwell., w s First Ave., bet. East Thirty-second and East Thirty-third Sts.; cost, $8,000.

P. G. Lameraux, two-st'y wood dwell. e s Nicollet Ave., bet. East Thirty-second and East Thirty-third Sts.; cost, $8,000.

P. G. Lameraux, two-st'y wood dwell., e s First Ave., bet. East Thirty-first and East Thirty-second Sts.; cost, $8,000.

Geo. H. Hoyt & Son, two-st'y wood dwell., s s East Fourteenth St., bet. Portland and Park Aves.; cost, $4,000.

Kenyon Bros., four-st'y brick store building, n s Washington Ave., bet. Thirteenth and Fourteenth Aves., s; cost, $12,000.

Woolf & Thomas, 4 three-st'y brick veneer tenements, w s Hennepin Ave., near Superior Ave., s; cost, $16,000.

Joel B. Clough, two-st'y wood dwell. and barn, n e cor. North Aldrich and Hawthorne Aves., n; cost, $4,000.

Calvin E. Brown, two-st'y wood dwell., e s Vine Pl., bet. West Nineteenth and West Twentieth Sts.; cost, $7,500.

Casey & Rand, two-st'y brick barn, e s Sixth Ave., bet. Tenth and Eleventh Sts., s; cost, $4,500.

Monroe and others, three-st'y brick store and flats, n e s Fifth St., bet. Hennepin and First Aves., n; cost, $30,000.

U. S. Government, U. S. Government building, s e cor. First Ave. and Third St., s; cost, $500,000.

New York.

Church. — Rev. Jarvis Wardon has filed plans for a one-st'y church, n s Eighty-sixth St., 330′ e Second Ave. The church, which is to be used as a temporary place of worship, will cost about $3,000.

Apartment-Houses. — On the s w cor. of Lexington Ave. and Eighty-first St., 2 handsome five-st'y basement apartment-houses, 40′ x 94′ 4″ and 40′ x 100′ 4″ of brick, brown-stone and terra-cotta, are to be built for Mr. Fred. Correll, at a cost of abt. $100,000; from plans of Mr. E. E. W. Schneider.

On the e s Second Ave., from Sixty-ninth to Seventieth St., 10 five-st'y brick and stone improved tenements, are to be built by Messrs. Higgins & Keating, at a cost of about $185,000; from plans of Messrs. A. B. Ogden & Son.

Houses. — On the s s Seventy-ninth St., 150′ w Ninth

EN. — The ancient Hindoo faith has met rticle of faith with the Hindoos that the be shaken by an earthquake because it t all, but upon the back of a tortoise. ly visited Hindoostan gave Benares a ckety buildings came tumbling to the nnedans laughed and the Hindoos were openly derided the notion that the city n itself has received a telling blow. —

ALLERY. — The suggestion which was nths ago that, pending the construction al Portrait Collection should be forth- at the Bethnal Green Museum is to be he last day on which the wooden shed es will be open to the public, and the will begin to-morrow. It will now only o have so long complained of the dry r entertainment, to show their appreci- to their museum. By so doing they permanent consideration in the matter, emporary" only in name — of some of p in the cellars at Trafalgar-square. —

THE CHURCH OF ST. JULIEN LE PAUVRE, ction" is about to sweep away one of arly opposite Notre Dame, on the south w streets, stands the church of Saint tle it seems to be in a fitting position the improvements of that part of the church is doomed. Its history extends there that Gregory of Tours lodged pillaged in the ninth century by the over to the Archbishop of Paris by rtier Latin, it might be considered as . The Church was used as a univer- y, and it was the custom of the Provost that he would have the privileges of s respected during his term of office. of the old Hôtel-Dieu. Afterwards it y, and was allowed to fall by degrees e time it was proposed to convert the relics. What are left of the groining f thi -century work, and will no the Cluny, which is not far Architect.

r. H. L. Warren writes from Boston the following letter: *Sir:* Will you e of the many absurdities which dis- r columns have always been ready aces that affect any part of the coun- not be new, you will readily admit exposure of abuses that we can hope have lately returned from Europe sion of architecture, and have brought engravings which are necessary to sion. On arrival in Boston I am taxed chases. As many of my architectu- ght in similar matter free of duty, as he law defines to include professional n against the decision of the Boston stained. I am a warm admirer of the rnment, even in the administration of ot see reason for so illiberal a construc- n to be a victim. It not only has not tection of any industry of this country ildings obviously cannot be produced ie in the way of the development of the should be the policy of an enlightened our present tariff a gigantic system of

JAIL. — The new jail just completed re is that the cells are arranged in the hich revolves about so that only one e time. This cylinder is three stories h floor. Its weight is forty-five tons, g from above instead of turning on a t of the arrangement is that the great le crank with very little force, a man ily. When all is complete it is the in- tor in the basement, and then by simply be set to rotating. It is suggested that s feared may be trying to cut out, the kept moving slowly all night, so that g enough in one place to do any mis- y had made a partial break. It seems for escape from this new jail. A cage ls the cylinder in which the cells are. rded by two doors. The officer stand- ock even the first door, but can swing ll appears in which is the desired pris- ment the inner door is opened and the Then the officer can open the other e other prisoners are way beyond any it is im ible for them to make any a mar r putting one in. He can e same and they cannot get within let them. — *Omaha Tee.*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

(Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.)

BUILDING PATENTS.

(Printed specifications of any patents hereumentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.)

325,667. SYSTEM OF STEAM-HEATING. — Milton Foreman, Philadelphia, Pa.

325,678. HEATING-STOVE. — John H. Keyser, New York, N. Y.

325,680. DRYING AND BURNING BRICKS. — Philip Lichtenstadt, Chicago, Ill.

325,686. PIPE-COUPLING.—Chas. A. May and Thos. Siddall, Trenton, N. J.

325,687. EMBOSSED FABRIC FOR DECORATING WALLS, ETC.—T. McGovern, New York, N. Y.

325,693. SHINGLE-SAWING MACHINE. — Willis J. Perkins, Grand Rapids, Mich.

325,731. MANHOLE FOR FIRE-ENGINE HOUSES. — Elbridge O. Chase, Lynn, Mass.

325,753. WINDOW. — Rafael Martinez, New York, N. Y.

325,754. SASH-FASTENER. — John McCormick and Calvin McKinnon, Laurinburg, N. C.

325,759. DRAW-SHAVE.—William Millspaugh, Middletown, N. Y.

325,761. SPRING-HINGE.—Sidney S. Niles, Chicago, Ill.

325,787. BRICK-BURNING KILN.—Henry R. Cassidy, Delhi, O., and Anthony Fries, Brookville, Ind.

325,820. SEWER.—James H. Clark, Chicago, Ill.

325,834. SASH-FASTENER.—John H. Hamaker, Canton, O.

325,838. BURGLAR-ALARM. — Frederick D. Hill, New York, N. Y.

325,846. SASH-FASTENER. — Charles W. Littlefield, Amesbury, Mass.

325,857. HEATING-STOVE. — John O'Keefe, St. Louis, Mo.

325,858. DEVICE FOR AUTOMATICALLY OPENING AND CLOSING HATCHES OF ELEVATORS. — John T. Pacey, Philadelphia, Pa.

325,859. NAIL. — Edwin K. Page, Worcester, Mass.

325,895. PIPE-COUPLING. — James Agnew, Allegheny, and William Agnew, Pittsburgh, Pa.

325,909. LOCK-HINGE. — Alpheus R. Brown, Jr., Boston, Mass.

325,927. APPARATUS FOR HOLDING AND SHIFTING STAGE SCENERY. — Watson H. Gifford, Fort Hamilton, N. Y.

325,939-940. BRICK-MACHINE.—Lewis B. Kennedy, St. Louis, Mo.

325,942. WRENCH.— Bradford F. Lancaster, Augusta, Me.

325,948. PIPE-REAMER. — Rufus G. Marcy, Kansas City, Mo.

325,962. AIR AND STEAM HEATER. — Geo. Nixon, Jr., Philadelphia, Pa.

325,971. ELEVATOR. — Henry J. Reedy, Cincinnati, Ohio.

325,998. FIRE-ESCAPE.—John Walsh, Cleveland, O.

326,004. HEATER.—Elias S. Wilber, Chicago, Ill.

326,048. KNOB-ATTACHMENT.—Thomas J. Morgan, Woodlawn Park, Ill.

326,055. VENTILATING BUILDINGS. — Ira J. Ordway, Chicago, Ill.

326,056. SKYLIGHT. — Bernard Overman, Washington, D. C.

326,061. DRAWER FOR DRAWING-PAPER AND DOCUMENTS.—Alexander Russell, Hot Springs, Ark.

326,073. SASH-WEIGHT. — Reuben Vosburgh, Oregon, Ill.

326,090. SASH-FASTENER. — Frank A. Bascom, Greenville, Pa.

326,108. METALLIC SHINGLE. — Moses G. Farmer, Newport, R. I.

326,126. SINK-TRAP. — Alois Koegel, Milwaukee, Wis.

326,137-138. VISE. — V. Mumford Moore, Chicago, Ill.

326,169. FIRE-ESCAPE. — Fredrick Steinebach and Herbert Wright, New York, N. Y.

326,190. WALL-PAPER. — William Wilson, Edgewater, N. J.

326,277. AUTOMATIC TRAP FOR WASH-BASINS. — William R. Delehanty, Albany, and Edward J. Murphy, Greenbush, N. Y.

326,286. BRICK-KILN.—Willis N. Graves, St. Louis, Mo.

326,288. HYDRAULIC BRICK-MACHINE. — Willis N. Graves, St. Louis, Mo.

326,317. MANUFACTURE OF ARTIFICIAL STONE OR MARBLE.—Scott Mixer, Cincinnati, O.

326,320. DOOR-CHECK. — James E. Newcomb, Rock Island, Ill.

326,325. MEANS FOR OPERATING DOORS AND SHUTTERS.—E. Perkins, St. Joseph, Mo.

326,329. INTERLOCKING SPIRAL MOULDING AS AN ARTICLE OF MANUFACTURE. — Moses Y. Ransom, Cleveland, O.

326,336. FIRE-ESCAPE. — John E. Sandberg and Magnus Akeson, Butte City, Mont.

326,346. HYDRAULIC AIR-PUMP.—William S. Taylor, Huntingdon, Pa.

326,353. SHUTTER-BOWER. — George F. S. Zimmerman, Frederick, Md.

326,374. ROOFING. — Benjamin B. Adams, Roswell, N. Mex.

326,402. COMBINED ANVIL, DRILL AND VISE.—Hiram Childers, El Dorado, Kans.

326,440. STEAM-BOILER.—James McEwan, Detroit, Mich.

SUMMARY OF THE WEEK.

Baltimore.

WAREHOUSE.—Frank E. Davis, architect, is preparing plans for Maurice Laupheimer, Esq., for a four-st'y brick and Cheat River stone building, 57′ x 66′, to be erected cor. Eutaw and King Sts., and to cost $12,-000.

BUILDING PERMITS. — Since our last report thirty-one permits have been granted, the more important of which are the following: —

E. K. Boyd, 9 two-st'y brick buildings, n s Baker St., between Calhoun and Gilmor Sts.

Frederick Burger, 4 three-st'y brick buildings, n s Lafayette St., e of Bethel St.

Geo. A. Blake, 4 three-st'y brick buildings, w s Charles St., between Biddle and John Sts.

R. H. Shaddrick, 13 two-st'y brick buildings, commencing s e cor. Monroe and McHenry Sts.

Aug. Hanneman, 5 two-st'y brick buildings, e s Wolfe St., n of Chase St.

Brooklyn.

BUILDING PERMITS. — *North Seventh St., No.* 76, s s, 175′ w Second St., four-st'y frame store and tenement, tin roof; cost, $6,400; owner, D. Buckley, 76 North Seventh St.; architect, A. Herbert; builders, Lehne & Moran and C. Schneider.

Franklin Ave., s w cor. Park Ave., 2 four-st'y frame stores and tenements, tin roofs; cost, $5,000 and $6,500; owner, Meier, Ten Eyck St., cor. Lorimer St.; architect, A. Herbert; builders, U. Maurer and J. Wagner.

Myrtle Ave., No. 1152, three-st'y frame tenement, tin roof; cost, $4,300; owner, Solomon Wolf, 1154 Myrtle Ave.; architect, Th. Engelhardt; builder, J. Rueger.

Central Ave., e s, 40′ n George St., 2 three-st'y frame brick-filled tenements, tin roofs; cost, each, $3,900; owners and builders, Henry Roth, 219 Johnson Ave. and Leopold Michel, Ewen St., cor. Meserole St.; architect, G. Hillenbrand.

Central Ave., e s, 90′ n George St., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $4,200; owners, etc., same as last.

Evergreen Ave., w s, 25′ s Jefferson St., 2 three-st'y frame (brick-filled) stores and tenements, tin roofs; cost, each, $4,000; owner and builder, George Loeffler, Jefferson St.; architect, F. Holmberg.

North Eighth St., s w cor. Fourth St., rear of lot, three-st'y frame (brick-filled) tenement, tin roof; cost, $3,000; owner, Henry Noll, North Eighth and Fourth Sts.; architect, A. Herbert; builders, J. Wagner and U. Maurer.

Stagg St., s s, 240′ w Waterbury St., 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, $4,200; owner, J. Schneider, 261 Stagg St.; architect, J. Platte; builder, U. Maurer.

Meserole St., n s, 175′ w Ewen St., three-st'y frame (brick-filled) store and dwell., tin roof; cost, $5,200; owner, F. Pfeiffers, Montrose Ave., near Leonard St.; architect, J. Platte; builders, C. Wieber and J. Rauth.

Halsey St., n s, 395′ e Ralph Ave., 6 two-st'y and basement brick dwells., tin roofs; cost, each, $3,200; owner and builder, Jas. W. Stewart, Quincy St., near Tompkins Ave.; architect, I. D. Reynolds.

Olive St., s e cor. Devoe St., one-st'y brick church with tower, slate roof; cost, $65,000; owner, St. Nicholas Russian Catholic Church, Powers St., cor. Olive St.; architect, Wm. Schickel; builders, W. & J. Lamb, *Jr.*

Myrtle Ave, s s, about 100′ e Waverley Ave., 3 four-st'y brick stores and tenements, tin roofs; cost, each, $7,000; owner and builder, Cornelius Donnellon, 116 Pacific St.; architects, G. P. Chappell & Co.

Jefferson St., Nos. 131 *and* 133, 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $8,400; owners, A. Boegel and R. Eisele, on premises; builders, J. Rueger and J. Armendinger.

Humboldt St., s e cor. Johnson Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $3,000; owner, A. Stemmermann, Broadway, cor. Lewis Ave.; architect, Th. Engelhardt; builder, C. Schneider.

Evergreen Ave., Nos. 343-347, e s, 50′ n Bleecker St., 4 two-st'y frame flats, tin roofs; cost, each, $3,000; owner and builder, Fred. Diering, 876 Bushwick Ave.; architect, Th. Engelhardt.

President St., s s, 112′ e Eighth Ave., 3 four-st'y dwells.; cost, each, $12,000; owner, O. D. Munn, Broadway, cor. Franklin St., New York; architect and builder, C. F. Burckett.

Hamilton Ave., s e cor. Coles St., three-st'y brick store and dwell., tin roof; cost, $5,000; owner, architect and builder, J. F. Nelson, 26 Manhasset Pl.

Pacific St., s s, 465′ e Rockaway Ave., 2 two-st'y frame (brick-filled) dwells., tin roofs; cost, $2,500 and $2,700; owner, Catharine Molloy, East New York; architect, C. L. D'Spalthoff.

Gwinnett St., n s, 121′ e Marcy Ave., three-st'y frame (brick-filled) store and dwell., tin roof; cost, $3,000; owner, Fred. Miller, Gwinnett St., near Marcy Ave.; architects and contractors, E. Woods & Co.; mason, —— Bruehleiser.

Raymond St., w s, 163′ 6″ s Tillary St., gravel roof; cost, $4,000; owner, Wm. J. Durffy, 210 South Oxford St.; architect, C. Werner; builders, E. F. Smith and J. Power.

Fourteenth St., n s, 87′ 10″ e Seventh Ave., 3 three-st'y brick and wood tenements, gravel roofs; cost, each, $4,000; owner, R. F. Clayton, 415 Seventh Ave.; architect and contractor, W. F. Clayton; mason, N. Meyers.

Sixth Ave., e s, 40′ n Tenth St., 3 three-st'y brownstone stores and dwells., tin roofs; cost, each, $9,000; owner, George Wessel, Sixth Ave., cor. Tenth St.; architect, L. Boamer; builder, T. J. Nash.

Palmetto St., n s, 90′ e Broadway, 3 two-st'y dwells., tin roofs, wooden cornices; cost, each, $4,000; owner and builder, Cozzens & Barton, 177 Stuyvesant Ave.; architect, I. D. Reynolds.

Franklin Ave., e s, 100′ s Dean St., 3 two-st'y brick dwells., tin roofs; cost, total, $6,000; owner, J. J. Drake, 237 Fulton St.; architect and builder, J. N. Smith.

Marcy Ave., w s, 75′ s Middleton St., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,500; owner and contractor, Jacob Bossert, 284 Rutledge St.; architect, J. Platte; mason, J. Auer.

Chicago.

BUILDING PERMITS. — G. N. Hull, 6 two-st'y flats, Flourney St.; cost, $20,000; architect, Sprague.

C. Remborg, three-st'y flats, 145 Townsend St.; cost, $4,500.

Union Iron and Steel Mills, two-st'y office, 1584 Ashland Ave.; cost, $10,000; architect, Colton.

M. C. Jones, 4 two-st'y dwells, Woodlawn Pk.; cost, $12,000; architects, Burnham & Root.

J. Sikthaler, two-st'y dwell., 138 Cornelia St.; cost, $3,000.

Dr. McArthur, two-st'y dwell., 416 Dearborn Ave.; cost, $12,000; architects, Cobb & Frost.

C. F. Julien, 2 three-st'y stores and dwells., 504-506 Wells St.; cost, $15,000; architects, Ostling & Co.

Mrs. M. M. O'Donoghue, two-st'y dwell., 3623 Prairie Ave.; cost, $5,000; architect, W. H. Drake.

Mrs. M. Hammond, three-st'y dwell., 74 Peoria St.; cost, $7,000; architect, M. L. Beers.

W. Strippelman, two-st'y dwell., 215 Leavitt St.; cost, $5,000; architect, W. Strippelman.

J. L. Hoerbur, three-st'y store and dwell., 501 Fourteenth St.; cost, $8,000; architect, A. Bessler.

K. A. Shaw, 2 three-st'y dwells., 524-526 West Jackson St.; cost, $20,000; architect, O. J. Pierce.

H. Boese, three-st'y store and flats, 698-704 Milwaukee Ave.; cost, $8,000; architect, T. Karls.

H. Berl, two-st'y dwell., 9 Keith St.; cost, $3,-500; architect, T. Wolff.

J. Schonig, three-st'y store and flats, 718 Chicago Ave.; cost, $3,200.

M. A. Hecker, two-st'y dwell., 353 Park Ave.; cost, $4,000.

C. Mathler, three-st'y store and dwell., 355 Fifth Ave.; e st, $3,500; architect, J. Zittel.

J. Eisner, two-st'y storehouse, 125 North Curtis St.; cost, $5,000; architect, H. L. Kley.

Mrs. L. M. Britton, 3 three-st'y store and dwells., 298-302 North Ave.; cost, $16,000; architect, L. Kintarfues.

M. Payne, two-st'y flats, 257 North Ashland Ave.

C. C. Collins, 3 two-st'y dwells., 2201-2205 Prairie Ave.; cost, $20,000; architects, Burnham & Root.

J. Ranwolff, three-st'y store and dwell., 3081 Lock St.; cost, $7,500; architects, Hildinger & Co.

H. Hard, three-st'y store and dwell., 982 Milwaukee Ave.; cost, $5,600; architect, Schnoor.

J. H. Manny, two-st'y dwell., 317 Belden Ave.; cost, $5,000; architect, H. H. Gage.

Hicks Bros., three-st'y store and dwell., 914 West Lake St.; cost, $7,000.

W. Metzger, 5 two-st'y dwells., 165-173 Thirty-seventh st.; cost, $18,000; architect, P. W. Ruehl.

The Board of Education, three-st'y school-house, 96-108 Hudson Ave.; cost, $55,000, architect, J. J. Flanders.

F. R. Otis, three-st'y store and flats, 12 Quincy St.; cost, $8,000; architect, C. Palmer.

W. B. Oliphant, two-st'y flats, 25 Plum St.; cost, $3,500; architect, W. Elliott.

W. Mara, two-st'y flats, 263 Winchester Ave.; cost, $3,000.

D. Haly, two-st'y flats, 350 Winchester Ave.; cost, $4,000.

M. Mueller, 2 three-st'y stores and flats, 135-137 Centre Ave.; cost, $6,000; architect, J. Bruhns.

H. P. Smith, 8 two-st'y dwells., 3248-3262 Cottage Grove Ave.; cost, $30,000.

J. Gideon, two-st'y store and dwell., 35 Miller St.

E. O'Reilly, two-st'y dwell., 3217 Michigan Ave.; cost, $10,000; architect, T. V. Wadskier.

E. B. Smith, 2 two-st'y store and flats, 3142-3144 State St.; cost, $10,000.

M. Bradley, two-st'y dwell., 451 Warren Ave.; cost, $4,000.

G. Schennicke, two-st'y dwell., 587 Larrabee St.; cost, $3,000; architect, J. Bruhns.

J. Beidler, foundation, 142-148 Washington St.; cost, $10,000.

A. Pearson, 3 two-st'y store and flats, 1103-1105 West Harrison St.; cost, $8,000; architect, C. W. Boyington.

A. Lewandowski, three-st'y store and flats, 693 Dickson St.; cost, $6,000.

Cincinnati.

BUILDING PERMITS.—J. Shields, two-st'y brick building, Woodburn and Lincoln Aves.; cost, $1,500.

B. Hasslebrock, one-st'y brick building, Second and Sycamore Sts.; cost, $2,000.

Lincoln Club, remodel four-st'y brick building, Eighth and Race Sts.; cost, $3,500.

John Bohn, two-st'y brick building, State Ave. and Liberty St.; cost, $10,000.

C. Smat, three-st'y brick building, Oliver and Linn Sts.; cost, $5,500.

Benjamin Berger, two-st'y brick building, Poldar St. and Western Ave.; cost, $3,500.

Cost of U repairs, $9,550.

Total cost of repairs, $1,380,751.50.

Total number of repairs, 681.

Cleveland.

COLLEGE BUILDING.— Western Reserve Medical College, cor. St. Clair and Erie Sts., brown-stone; cost, $100,000; Thos. Lima, contractor; Coburn & Barnum, architects.

MASONIC TEMPLE. — Cor. Superior and Bond Sts.; stone; cost, $80, 00; Cudell & Richardson, architects.

MUSIC HALL.—On superior St., 90′ x 150′, brick; cost, $65,000; seating capacity, 5,000.

STORES.—Brick block on Euclid Ave., stone front, 72′ x 120′; O. E. King, owner; Thos. Simmons, contractor; Geo. H. Smith, architect.

Brick block, 313 Woodland Ave.; cost, $10,000.

Brick block, Broadway, near Forest St., for Henry Lauth; three-st'y, 57′ x 74′; cost, $8,000; Uhl & Koestering, masons; Henry Banks, carpenter; F. C. Bate, architect.

HOUSES. — Frame house on Lincoln Ave., for C. C. Morse; cost, $5,000; Chas. Sackett, builder; F. C. Bate, architect.

ALTERATIONS. — Addition to American Wire Co., on Marquardt St.; cost, $13,000; J. T. Watterson, contractor; F. C. Bate, architect.

lakes, etc., adjunct to the river must be he main river before the full effect and s expected that the total rise at Crow ot be far from four feet when the full impossible to say what the full increase ng between one and one-and-a-half feet xpected. While the prevention of the than the rise, yet the real effect is the cerned. — *New York Times.*

LIBRARY COMPETITION. — A while ago best plans for the new Public Library hitects in New York undertook to com- successful. The first prize was $4000, ey gave Mr. Brown (an absconded law- t the money, which, it is said, he did. nd two or three days ago they came on found his office in charge of sheriff's

ION. — The largest railroad station in the Northwestern Railroad Company has been completed and opened for men have been employed in its con- rs. It has cost in its construction $5,- of ground. There are tunnels at either lred trains pass each day. The length nd a half. There are five signal-boxes which contains one hundred and forty- is operated by seven men. Six loco- ation. The whole is arched — roofed- the Paxton principle. — *Railroad Rec-*

F ST. PAUL'S. — The statue of Queen edral, which has been in a dilapidated w in the course of demolition, and a Mr. Richard Belt is executing by order position on its completion. The statue, ird, was erected in the church-yard in 50 for the Queen's statue and enrich- ues seated on the pedestal, of England, nd £50 for the white marble coat of and tasteless group," as Malcolm in cost £1180. Garth wrote some

dow. eyes is seen, of so good a Queen.

get into such a wretched state — the less and faceless, and the Queen's face which was struck off by a lunatic — tion recently determined to deal with ces of the fabric of St. Paul's — viz.: the Bishop of London, and the lord s a question whether bronze or marble ther subject instead of Queen Anne ntually decided to order a replica of ble, and the commission was entrusted

ame Westminster Abbey is shortened ter Abbey Church: the church, that It at once carries us back to its early the reign of Henry VII., the Abbey, rch of a great Benedictine monastery. trewn throughout England and much rom being ruled by abbots (or *abbats*, those governed by a prior were called nks lived in buildings, of which the hamber, etc., the cloisters, the chapter ey, as we call it, was the church in Its legal title was *Ecclesia Abbatiæ* litional designation. It is not a cathe- church situated in a city which gives *siège*, "seat") and in which a bishop *Cathedra*) assigned to him. St. Paul a brief space in its long history (A. D. the cathedral of a diocese of West- ward (under Edward VI) it was de- "a cathedral in the diocese of Lon- mains, What is it that gives the Abbey the eyes of all who speak our language? Westminster Abbey rather than York or St. Paul's, where he was actually ing causes: Edward the Confessor's n palace. It was designated by him as interred before the altar within a on that moment, Norman kings, monks, ied with each other in honoring his based his claim to the crown on an al- long lived in exile in Normandy. To from his munificent donations, but as ost one of themselves. The commons reign yoke, looked back to the peace- le Confessor, the last king of the old ge. To be crowned by his graveside e rite, and thus from the Confessor to vereign has received the crown beneath the t the Confessor. — *Dean of*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

326,450. SPEAKING-TUBE. — Pedro Pereira y Albizu, Madrid, Spain.
326,473. RADIATOR. — Charles E. Ashcroft, Lynn, Mass.
326,486. SHUTTER-FASTENER. — Joseph S. Dunham, Salem, N. J.
326,496. WATER-CLOSET ATTACHMENT. — William H. Graham, St. Louis, Mo.
326,507. LOCK. — Archibald Kelly, Newark, N. J.
326,514. SCAFFOLD-BINDER. — Joseph A. Moross, Detroit, Mich.
326,528. WATER-CLOSET VALVE. — Earnest A. Straat, Jersey City, N. J.
326,541. HOT-AIR FURNACE. — John R. Barker, Chicago, Ill.
326,543. ROTARY ENGINE OR PUMP. — Charles H. Cary, Bristol, R. I.
326,544. STRUCTURE FOR SUBMARINE SEWERS. — Henry Case, Brooklyn, N. Y.
326,548. GATE-HANGER. — Issachar Crowfoot, Hartford, Wis.
326,550. GAS OR VAPOR BURNER. — Michael B. Dyott and Charles G. Dyott, Philadelphia, Pa.
326,561. GAS-ENGINE. — George M. Hopkins and I. Newton Hopkins, Brooklyn, N. Y.
326,568. SPEAKING-TUBE. — John A. Kessel, Buffalo, N. Y.
326,569. APPLIANCE FOR PREVENTING DIRT FROM PASSING INTO PIPES. — John Kirkaldy, 40 West India Dock Road, County of Middlesex, Eng.
326,571. CHURCH-PEW. — Israel Lancaster, Chicago, Ill.
326,582. DETACHABLE TABLE-LEG. — Walter A. Osborn and David M. Estey, Owosso, Mich.
326,583. CIRCULAR SAWING-MACHINE. — John H. Palm, Minneapolis, Minn.
326,593. GASKET FOR MAN-HOLES. — William T. Y. Schenck, San Francisco, Cal.
326,598. HOT-AIR FURNACE. — Isaac D. Smead, Toledo, O.
326,605. WINDOW. — Samuel C. Taylor, Morton, near Bingley, County of York, Eng.
326,611. ART OF MAKING PLUMBERS' TRAPS. — James A. Whitney, Dobbs Ferry, N. Y.
326,612. PLUMBER'S TRAPS. — James A. Whitney, Dobbs Ferry, N. Y.
326,616. FIRE-ESCAPE. — Hezekiah O. Woodbury and Seth T. Thacher, Jr., Beverly, Mass.
326,620. SWINGING GATE. — Hugh B. Bookout, Long's Mills, Tenn.
326,626. COMBINED LATCH AND LOCK. — George H. Chubb and Harry W. Chubb, London, Eng.
326,629. KETTLE DRAINER AND STEAM VENTILATOR AND CONDUCTOR. — Jane A. Clother, Cumberland, Wis.
326,635. LUMBER-TRIMMER. — Moses Dutrisac, Muskegon, Mich.
326,647. GUTTER AND SPOUT. — Louis J. Hardy, Rouen, France.
326,655. METALLIC SHINGLE. — John T. Hyndman, Cincinnati, O.
326,673. LOCK. — Anthony Paciorkowski, Troy, N.Y.
326,674. STOP-COCK BOX FOR WATER AND GAS PIPES. — Louis P. Reichert and Andrew Fuller, Buffalo, N. Y.
326,683. DEVICE FOR INSERTING AND WITHDRAWING REMOVABLE SAW-TEETH. — George F. Simonds, Fitchburg, Mass.
326,684. SAW WITH INSERTIBLE TEETH. — George F. Simonds, Fitchburg, Mass.
326,685. INSERTIBLE-TOOTH SAW. — George F. Simonds, Fitchburg, Mass.
326,713. SIPHON WATER-TRAP. — William P. Buchan, Glasgow, County of Lanark, Scotland.
326,729. BLIND-HINGE. — Richard Ghiselin, Webster Groves, Mo.
326,735. FIRE-PROOF FLOOR. — William W. Hazlitt, Toronto, O.
326,736. PENCIL OR CRAYON HOLDER. — Joseph Hoffman, New York, N. Y.
326,781. HINGE. — John A. Resch, Jersey City, N.J.
326,799. GUIDE FOR WINDOW-CURTAINS. — Franklin B. Shook and Daniel Death, Franklin, O.
326,839. APPARATUS FOR TRANSFERRING HEAT FROM ONE CURRENT OF AIR TO ANOTHER. — Charles L. Braithwaite, Jr. and Isaac Braithwaite, Kendal, County of Westmoreland, Eng.
326,848. SASH-FASTENER. — Cary O. Cole, Lette, Ia.

SUMMARY OF THE WEEK.

Baltimore.

DWELLINGS. — Charles E. Cassell, architect, is preparing plans for the following: —

Five three-st'y basement and attic brick and Belleville brown-stone buildings, with ornamental brick panels, each 18' 8" x 65', for P. L. Cutting, Jr., of New York, to be erected on Charles St., bet. Preston and Hoffman Sts., and to cost $8,000 each; R. Curley, superintendent.

Fifty-nine three-st'y brick and brown-stone buildings, 14', 15', 16' x 60', for Messrs. Smith & Schwartz, to be erected on Calvert, Sumwalt and Shirk Sts.

Five four-st'y and basement brick and brown-stone (Conn.) buildings, each 18' 8" x 62', for Richard Courtney, Esq., to be erected on Charles St., s of Boundary Ave., and to cost $7,000 each.

BUILDING PERMITS. — Since our last report twenty-three permits have been granted, the more important of which are the following: —

Chas. H. Callis, 12 two-st'y brick buildings, w s Gay St., e of Broadway.

Henry Westphal, 8 two-st'y brick buildings, n s Heath St., bet. Patapsco and Charles Sts.; and 3 two-st'y brick buildings, w s Patapsco St.

John Burger, three-st'y brick building, w s Bond St., bet. Thames and Lancaster Sts.

Louis Ripple, 3 three-st'y brick buildings, n s Lexington St., bet. Vincent Alley and Mount St.

J. C. Purcell, 3 three-st'y brick buildings, w s Stricken St., n of Patterson Ave.

Franz Thoene, three-st'y brick building, n s Eastern Ave., bet. Ann and Durham Sts.

Birmingham, Ala.

BUILDING PERMITS. — The following building permits have been issued since our last report: —

B. F. Roden, three-st'y brick business house, 50' x 100'; cost, $16,000; Chas. Wheelock, architect.

Louis Braun, two-st'y frame house; cost, $2,000.

Williamson Iron Company, blast furnace; cost, $250,000.

T. C. Porteous, two-st'y brick house; cost, $5, 000; H. Haley, builder; architect, Chas. Wheelock.

Moore, Moore & Handley, three-st'y brick and stone business house, 36' x 100'; cost, $10,000; architect, same as last.

Morris Bros., three-st'y brick business house, 50' x 150'; cost, $14,000; T. C. Thompson & Co., builders; architect, same as last.

Colored Methodist Episcopal Church, brick church; cost, $5,000.

J. C. Kyle, two-st'y frame house; cost, $3,000; T. D. Lipes & Co., builders; C. Wheelock, architect.

Dr. Henley, two-st'y frame house; cost, $3,000; Oliver Marble & Son, architects.

J. E. Ellis, two-st'y brick dwell.; cost, $3,000.

Mrs. Read, two-st'y frame building on Highlands; cost, $3,000.

H. C. Ansley, two-st'y frame house on the Highlands; cost, $3,000.

M. C. Wimberly, one-st'y frame house; cost, $3,000; Green & Co., builders; Chas. Wheelock, architect.

W. C. Ward, two-st'y frame house on Highlands; cost, $4,000; architect, same as last.

G. L. Morris, two-st'y residence on Highlands; cost, $3,000; T. C. Thompson & Co., builders; architect, same as last.

Jefferson County Almshouse, two-st'y frame building; cost, $5,000; architect, same as last.

Harris & Linn, three-st'y brick business house; cost, $7,000; G. L. Rousseau, architect.

Boston.

BUILDING PERMITS. — *Wood. — A St.*, dwell., 19' x 27', E. B. Spinney, owner; D. A. Berry, builder.

Emerson St., No. 71, dwell., 25' x 37'; Owen Tappen, owner.

Reedsdale St., near Brighton Ave., dwell., 25' x 31'; John A. Smith, owner; J. E. Brown, builder.

Washington St., opp. Matchett St., dwell., 22' x 32'; C. M. Tillinghurst, owner; D. McConnell, builder.

Jarvis Pl., off George St., dwell., 21' x 25'; Owen Lynch, owner; John M. Kelley, builder.

Washington St., dwell., 21' x 29'; M. J. McKenna, owner; James T. Chrisholm, builder.

Austin St., near Washington St., dwell., 22' x 41'; M. J. McKenna, owner; Jas. T. Chrisholm, builder.

Austin St., dwell., 24' x 31'; M. J. McKenna, owner; James T. Chrisholm, builder.

Brooklyn.

BUILDING PERMITS. — *Wallabout St.*, s s, 200' w Marcy Ave., one-st'y frame stable and car-shed, paper roof; cost, $3,000; owner and builder, B. C. R. R. Co., 10 Fulton St.; architect, A. W. Dickie.

Twenty-seventh St., s s, 273' e Third Ave., 3 two-st'y frame dwells., tin roof, paper lining; cost, each, $4,500; owners, J. T. Smith & Co., 272 Fifty-second St.; architect, S. B. Bogert; builders, H. J. and W. S. Skinner.

Luquer St., n s, 80' w Henry St., three-st'y brick tenement, tin roof, wooden cornice; cost, $3,000; owner, architect and mason, R. E. Toppin, 369 Franklin Ave.; contractor, H. S. Hawkes.

Nostrand Ave., e s, 150' n Atlantic Ave., three-st'y brick flat, tin roof, wooden cornice; cost, $8,000; owner, Geo. Penniman, 57 Irving Pl.; architect, W. M. Coots; builder, D. H. Fowler.

Gates Ave., s s, 150' w Stuyvesant Ave., 4 three-st'y brick stores and tenements, tin roofs, wooden cornices; cost, each, $7,000; owner, L. P. McGarry, 383 Monroe St.; architect, J. McGarry.

Meeker St., No. 135, n s, 85' 7" w Monitor St., three-st'y frame (brick-filled) dwell., tin roof; cost, $4,500; owner and builder, Henry Biudrim, 133 Meeker Ave.; architect, Th. Engelhardt.

Third Ave., n w cor. Thirteenth St., three-st'y frame store and dwell., tin roof; cost, $4,000; owner, Ed. J. Sherlock, 585 Fulton St.; architect, C. P. Eisenach; builder, not selected.

Stuyvesant Ave., w s, extends from Putnam Ave. to Madison St., 10 three-st'y and basement and two-st'y and basement brown-stone dwells., mansard tin roofs, wooden cornices; cost, each, $5,000; owner, Kate M. McCormick, 372 South Second St.; architect, A. Spence; builder, R. Ferguson.

McKibben St., No. 175, n s, three-st'y frame (brick-filled) tenement, tin roof; cost, $4,000; owner, Mr. Korad Schmidt, on premises; architect, H. Vollweiler; builder, J. Rueger.

Hancock St., No. 182, s s, 360' e Nostrand Ave., three-st'y and basement brown-stone dwell., tin roof, iron cornice; cost, $10,000; owner and architect, R. W. Gleason, 316 South Fifth St.; contractor, R. B. Ferguson.

Sumpter St., n s, 25' w Howard Ave., two-st'y frame (brick-filled) store and dwell., tin roof; cost, $4,500; owner, Mr. Hale, on premises; architects and contractors, Ames & Waldron; mason, E. Sutterlin.

Myrtle Ave., Nos. 1264-1272, s w cor. Cedar St., 3 three-st'y frame stores and tenements, tin roof cost, $12,000; owner and builder, Fred'k Herr, 782 Broadway; architect, Th. Engelhardt.

Gerry St., Nos. 77 *and* 79, 2 three-st'y brick factory and tenements, tin roofs; brick and iron cornices; cost, each, $3,500; owner and builder, A. Meth; architect, H. Vollweiler.

Decatur St., n s, 250' e Reid Ave., 3 two-st'y and basement brown-stone dwells., tin roofs, wooden cornices; cost, $4,500; owner, Elizabeth Phelan, 362 Hart St.; architect, T. F. Thomas; builder, J. Phelan.

President St., n s, 225' e Eighth Ave., 11 three-st'y and basement brick dwells., metal roofs, wooden cornices; cost, each, $9,000; owner and architect, Wm. Flanagan, 46 Berkeley Pl.; builder, W. Flanagan.

ALTERATIONS. — *Ash St.*, s s, 81' w Oakland Ave., two-st'y brick extension, gravel roof; cost, $3,500; owner and builder, Church & Co., 36 Ash St.; architect, M. R. Wood.

Livingston St., No. 61, flat roof, front, brick front removed and new brown-stone front and interior alterations; cost, $10,000; owner, H. Strohm, 266 Atlantic Ave.; architect, C. Werner; builders, J. J. Bentzen and Th. Brown.

Chicago.

BUILDING PERMITS. — L. Knipp, three-st'y store and dwell., 892 Milwaukee Ave.; cost, $6,000.

F. Lauerman, two-st'y dwell., 2619 Portland Ave.; cost, $3,000; architect, J. Frank.

A. W. Shearson, two-st'y dwell., 1131 Lexington St.; cost, $2,500.

L. Malzacher, three-st'y dwell., 355 North Franklin St.; cost, $5,000; architect, F. Pigos.

E. Ayres, 3 two-st'y dwells., 62-66 North Ada St.; cost, $10,000; architects, Wheelock & Clay.

C. H. Harrison, 14 two-st'y dwells., 44-64 Nixon St.; cost, $28,000; architect, J. J. Flanders.

J. S. Chmidt, 2 three-st'y dwells., 170-172 Lasalle St.; cost, $10,000; architects, Furst & Rudolph.

R. E. Moss, six-st'y store, State and Michigan Sts.; cost, $30,000; architect, S. V. Shipman.

P. Ford, two-st'y dwell., 157 Sedgwick St.; cost, $4,000; architects, Furst & Rudolph.

B. D. West, two-st'y dwell., 968 West Jackson St.; cost, $5,500; architect, W. D. Carroll.

G. Peterson, three-st'y stores and flats, 9 Temple St.; cost, $6,000; architect, H. F. Harbruck.

J. W. Jackson, three-st'y flats, 33 North Centre Ave.; cost, $3,500.

C. Geyer, 2 two-st'y dwells., 519-523 Marshfield Ave.; cost, $8,000; architect, C. Geyer.

H. F. Gelderman, 2 three-st'y stores and flats, 523-525 Sedgwick St.; cost, $14,000; architect, A. F. Boos.

J. H. Bourn, addition, Thirty-third and Dearborn Sts.; cost, $7,000.

E. B. Bosse, three-st'y store and dwell., 506-508 North Clark St.; cost, $15,000; architect, T. Karls.

J. H. Hamlin, two-st'y dwell., 1621 Prairie Ave.; cost, $10,000; architects, Treat & Foltz.

Hughes & Crouch, 2 two-st'y dwells., 2801-1803 Michigan Boulevard; cost, $15,000; architects, Cobb & Frost.

C. Maher, two-st'y dwell., 3764 Indiana Ave.; cost, $4,000; architect, C. L. Stiles.

W. Dolan, two-st'y dwell., 241 Loomis St.; cost, $3,500; architect, G. Vigeant.

J. S. Smith, two-st'y dwell., 3408 Prairie Ave.; cost, $2,500; architect, H. R. Wilson.

Kansas City, Mo.

BUILDING PERMITS. — T. Smith, two-st'y brick business block, cor. Fifth St. and Grand Ave.; cost, $15,000.

Revel W. English, brick house on Broadway; cost, $5,000.

T. Munford, brick house on Broadway; cost, $6,000.

Hayes Bros., 6 frame houses on East Fourteenth St.; cost, $14,000.

S. C. Lee, frame business building, cor. Holmes and Twentieth St.; cost, $14,500.

New York.

ARMORY. — The corner-stone of the Twelfth Regiment's new armory, at Ninth Ave. and Sixty-first St., was laid September 26.

CHURCH. — The corner-stone of a new Roman Catholic Church at Rye Neck was laid September 27.

SCHOOL AND LODGING-HOUSE. — A school and lodging-house, five stories high, is to be built by the Children's Aid Society, on the n e cor. of Eighth St. and Ave. B, to cost $40,000.

BUILDING PERMITS. — *Eighty-fifth St.*, s s, 75' e Ave. A, five-st'y brick building, brick and brown-stone front, flat tin roof; cost, $15,000; Frederick Schenck, owner, n w cor. Ave. A and Eighty-fifth St.; John Brandt, architect, 1491 Third Ave.

East Seventy-ninth St., No. 413, four-st'y brick dwell., brick and brown-stone front, flat tin roof; cost, $20,000; owner, Rev. J. J. Dougherty, 334 East Seventy-ninth St.; architects, Babcock & McAvoy, 64 College Pl.

One Hundred and First St., n s, 300' w of First Ave., five-st'y brick tenements, flat gravel roof; cost, $10,000 each; owner, Mary M. Gurnee, 79 Macon St., Brooklyn; architect, Albert Wilkinson, 924 Gates Ave., Brooklyn.

Ninety-fifth St., s s, 448' e Tenth Ave., and *Ninety-fifth St.*, s s, 100' e Tenth Ave., 9 three-st'y brick dwells., brick and brown-stone front, flat tin roof; cost, $12,000 each; owner and architect, Wm. J. Merritt, 152 and 154 West One Hundred and Twenty-seventh St.

Eighty-eighth St., s w cor. Lexington Ave., German Evangelical Lutheran Church, brick and granite, granite and limestone front, peak slate roof; cost, $78,000; owners, Trustees of the German Evangelical Lutheran Church, John G. Wm. Feldman, President, 1689 Park Ave.; architect, Arthur Crooks, 200 Broadway.

West Forty-eighth St., No. 348, five-st'y brick tenement, brown-stone front, flat tin roof; cost, $22,000; owner, Wm. Rankin, 253 West Fifty-first St.; architect, George Keister, 347 West Forty-third St.

West Seventeenth St., Nos. 410 *and* 112, 2 five-st'y

nch of the river has sometimes been onth it has been distinctly smelt at the river, and persons who from duty lays on the water have suffered from f the Royal Commissioners during the same way, and recorded their per- t. Evidently this state of things can- disgusting and dangerous now, and it w of a possible, we might almost say ver imperfect our knowledge of chol- pagated by a special poison, probably carried in water, in air, and in other ion, and perhaps the most important ation is also effective, as was proved is elaborate study of the epidemic in r pollution was out of the question. w and foul districts, and particularly e on this point were wanted, it would recent fearful experience of Spain. a small epidemic of cholera in Lon- notbed for the disease. — *London Sat-*

. — Recently a very remarkable man te Thomas Thornycroft, sculptor — nterred in old Chiswick Churchyard funeral honors, for present in the mily and old friends, but the whole lessrs. Thornycroft & Donaldson's fa- rned out to show the sincere respect igh not himself an engineer, might, his son's engineering ability and the irly called the father of the firm. At or, and always had a kindly word for erest in those works had of late years his interest in sculpture, to which art evoted his powers. The eldest son of teens intended for the medical profes- rruled and finally led him to pursue . John Francis, the sculptor, his future acquired the technique of his art, and , such as that was a half century ago. to raise sculpture out of the low state rdingly he and his young wife went The res f the visit was a series of are cr English sculpture that he que, a at there was scarcely any peer in the classic, in the true classic o no more in this brief notice than to el the Great," his group for the Albert of Lady Elizabeth Stanhope. Like ies, his mental powers were various; ention, and his son has always readily o hints he received from him. His ifested in his children, one of his sons nd the other, Mr. Hamo Thornycroft, rable sculptors of our time. He was hornycroft, the flower painter. — *Lon-*

During the hearing by the Parliamen- e promoters of the Tower Bridge over was called to prove the stability of the upon the phenomena of wind pres- nection with the construction of the d that, from recorded observations in er many years, he has come to the con- proaching fifty-six pounds per square f any magnitude. He declared that no ars occurred in the Thames Valley, tion, the number of large gasholders side. If a hurricane of fifty-six pounds ed any of these structures, Mr. Baker ubled up and blown across London, as ce to external pressures beyond the , which he values at not more than If, therefore, not the slightest dam- ne by wind to any of the London gas- monstration that they have never been ix pounds per foot. It is Mr. Baker's works that a gale registering by his than sixteen and one-half pounds per l ordinary traffic on the estuary, pre- erful ferry-boats. Mr. Baker believes eded. He declines to place credit in which sometimes show extreme veloci- s do not cease running in gales when ix pounds pressure to the foot, though nd per square foot on its exposed side y train. — *The Iron Age.*

Among the curious and varied iron- oor of Notre Dame at Paris there is a horns on his head, who ends below as a net. Bicornet was a master locksmith ay to supply the doors of the church e had but twenty-four hours to finish e summo d the devil, sold himself, and o wen ork. The devil put on a well icornet had the door done ever since. — *Exchange.*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

326,943. WINDOW. — Marion Scudder Bonney, Savannah, Ga.
326,945. FILTERING CUT-OFF RAIN-WATER SPOUT FOR CISTERNS.—Jonathan E. Burdge, Home City, O.
326,947. APPARATUS FOR BURNING FUEL. — Robert E. Burns, San Francisco, Cal.
326,952. REFRIGERATOR. — Jas. Castell, Blue Rapids, Kan.
326,956. SPRING-HINGE. — Levi M. Devore, Freeport, Ill.
326,958. METAL ROOFING. — James H. Eller, Canton, O.
326,959. APPARATUS FOR MAKING GAS.—Walter P. Elliott, New Brunswick, N. J.
326,961. FIRE - ESCAPE. — Leopold A. H. Engelke, Philadelphia, Pa.
326,967. HINGE FOR AWNING-BLINDS.—Chas. Garlick, Syracuse, N. Y.
326,976. POST-HOLE AUGER.—James Hagans, Maxwell, Ind.
326,977. WINDOW-PLATFORM. — Henry Hagemann, Chicago, Ill.
326,978. PIPE - WRENCH. — William Harris, Pittsburgh, Pa.
326,982. STEAM - HEATING BOILER. — Thomas P. Hogan, Buffalo, N. Y.
327,015. SAW-HANDLE. —Robert E. Poindexter, Indianapolis, Ind.
327,030. LUMBER-DRIER.—Heman S. Smith, Brooklyn, N. Y.
327,048. SAFETY - ATTACHMENT FOR ELEVATORS AND INCLINED RAILWAYS.—Frederick Wittram, San Francisco, Cal.
327,053. LOCK.—Joseph R. Ames, Clearfield County, Pa.
327,085. WOOD - FILLER. — Adolf Hoexter, Offenbach-on-the-Main, and Georg Schulter, Lohr-on-the-Main, Germany.
327,094. WASH-BOWL.—Harvey C. Lowrie, Denver, Col.
327,104. DRAWER. — Reuben W. Perry, Saundersville, Mass.
327,106. WEATHER-STRIP. —Warren H. Plympton, Providence, R. I.
327,129. SHELVING-BRACKET.—John Bahns, Piqua, Ohio.
327,132. AUTOMATIC DAMPER-REGULATOR. — John Durge, Westfield, Mass.
327,133. DOOR-CONNECTION FOR WATER-CLOSET CISTERNS.—Daniel Burrows, Brooklyn, N. Y.
327,144. SASH-FASTENER.—Wm. B. Dager, Canton, Ohio.
327,147. CASTER.—Nathan Drucker, Cincinnati, O.
327,148. METAL-BORING BIT. — Luther R. Faught, Philadelphia, Pa.
327,155. WATER-METER. — George S. Follansbee, Boston, Mass.
327,157. LATCH. — Orvellas H. Gilbert, Newark, N. J.
327,161. FRICTION SHADE-ROLLER. — James Hardman, Jr., Belleville, N. J.
327,167. WATER-ELEVATOR. —Benjamin J. Hewitt, Manton, Mich.
327,208. WIRE FENCE. — Charles W. Weld, Southbridge, Mass.
327,209. WASH-TUB, SINK OR OTHER VESSEL MADE OF CEMENT, ETC. — Carl Wesley, West New York, N. J.
327,213. NUT - LOCK. — Lewis J. Williamson, East Fairfield, O.
327,219. WATER-CLOSET. — Harry J. Bailey, Pittsburgh, Pa.
327,221. REMOVABLE TABLE-LEG. — Thaddeus C. Beach, Detroit, Mich.
327,226. STUDENT'S DRAUGHTING-CASE. — W. R. Briggs, Bridgeport, Conn.
327,228. DOOR-SHIELD. — Myron Camp, Sedgwick, Kans.
327,235-236. SLIDING WINDOW-BLIND. — Rollin M. Clapp, Burlington, Vt.
327,266. APPARATUS FOR OPERATING DRY-EARTH CLOSETS.—William Heap, Owen Sound, Ontario, Can.
327,272. STAND - PIPE ATTACHMENT FOR BATH-TUBS.—William A. Johnson, Boston, Mass.
327,274. TILE-LAYING MACHINE. — George Keith Harmon, Ill.
327,276. SASH-CORD FASTENER. —Silas Land, Philadelphia, Pa.
327,279. CONDUCTOR-HOOK. — John Leadley, Detroit, Mich.
327,287. CURTAIN - FIXTURE. — Lewis A. Mallory, Sullivan, O.
327,288. STONE-POLISHING MACHINE. — James W. Maloy, Boston, Mass.
327,289. CAR - VENTILATOR. — William D. Mann, New York, N. Y.
327,295. OVERFLOW-PIPE FOR BATH-TUBS. — Samuel G. McFarland, New York, N. Y.
327,321. STOVE-PIPE THIMBLE OR SLEEVE.—John Schuermann, Cleveland, O.
327,330. VENTILATOR. — Thomas J. Simpson, Worthington, Minn.
327,346. PLANING-MACHINE. — Henry B. Stillman and William F. Patterson, Boston, Mass.
327,378. CURTAIN-FIXTURE. —Richard R. Brouner, Washington, D. C.
327,396. OPEN FIREPLACE. — Daniel E. Jones, Denton, Tex.
327,413. KNOCKDOWN TABLE. — George Kohrbach, New Haven, Conn.
327,414. VENTILATOR.—William Scharnweber, Jefferson, Ill.
327,415. WINDOW-VENTILATOR. — William Scharnweber, Jefferson, Ill.
327,416. SAW-SHARPENING DEVICE.—Wm. Tucker, East Brookfield, Mass.
327,443. FENCE-POST AND WIRE-FASTENING. —Edward C. Jones, Hamilton, Ontario, Can.
327,447. MIXED PAINT.—David Lublinski, Schwetz, Prussia, Germany.
327,450. DOOR-HANGER.—Henry Myers, Alton, Ill.

SUMMARY OF THE WEEK.

Baltimore.

BUILDING PERMITS. — Since our last report twenty-three permits have been granted, the more important of which are the following:—

German Evangelical Salem Church, brick church, n w cor. Battery Ave. and Randall St.

Border State Savings Bank, three-st'y brick building, s e cor. Baltimore and Poppleton Sts.

H. Nordman, three-st'y brick building, s w cor. John St. and Central Ave.

A. Fennaman, three-st'y brick building, e s Fremont St., s of Burgunder Alley.

G. W. Cooper & Son, 2 two-st'y brick buildings, w s Chester St., n of Fayette St.

E. W. Gorman, 9 two-st'y brick buildings, n s Hoffman St., commencing n e cor. Washington St.; 6 two-st'y brick buildings, e s Washington St., commencing s e cor. Keyser St.; and 5 two-st'y brick buildings, s s Keyser St., e of Washington St.

J. Maloney, 5 three-st'y brick buildings, w s Ridgely St., n of Stockholm St.

P. A. Pindell, 8 three-st'y brick buildings, John St., s of McMechen St.

Boston.

BUILDING PERMITS. — *Lee St.*, near Child St., dwell., 20' x 28'; Joseph H. Rowe, owner; M. H. Fossett, builder.

Washington St., near Oak Sq., dwell., 23' x 48'; F. W. Webb, owner; E. H. Carter, builder.

Brewer St., near Eliot St., dwell., 29' x 29'; Geo. F. Adams, owner and builder.

Elm Lawn, cor. Centre St., dwell., 28' x 29'; Geo. F. Pinkham, owner; Geo. E. Thomas, builder.

Harbor View St., cor. Grant St., dwell., 24' x 38'; Winslow Holbrook, owner; W. T. Eaton, builder.

Chelsea St., No. 75, dwell., 22' x 47'; Mrs. E. McElwayne, owner.

Greenwich St., cor. Commercial St., dwell. and store, 29' x 35', James Farren, owner; W. T. Eaton, builder.

Heath St., Nos. 259-261, dwell., 24' x 47'; William Jacobs, owner; R. D. Ward, builder.

Bearse Ave., near Butler St., poultry-house, 8' x 150'; F. G. Gibson, owner and builder.

Brooklyn.

BUILDING PERMITS.—*Fort Greene Pl., Nos.* 174 *and* 176, four-st'y brick dwell., gravel roof, brick cornice; cost, $20,000; owner, Geo. H. Hammond, Manhattan Market; architect, J. G. Glover; mason, A. Kutan; contractor, not selected.

Vanderbilt Ave., e s, 107' n Lafayette Ave., two-st'y brick carriage-house, tin roof, iron cornice; cost, $4,000; owner, Mrs. Rose Howe, 339 Clinton Ave.; architects and builders, Mills & Bush.

Stagg St., n s, 225' w Waterbury St., three-st'y tenement, tin roof; cost, $4,500; owners, Roeder & Kraemer, 148 to 152 Bushwick Ave.; architect, H. Schaeffler; builders, M. Metzen and J. C. Hesse.

Gates Ave., No. 486, s s, 225' w Marcy Ave., four-st'y brick store and flats, tin roof, wooden cornice; cost, about $6,000; owner, F. C. Vrooman, 444 Gates Ave.; architect, J. F. Vrooman; mason, not selected; contractor, F. C. Vrooman.

Willoughby Ave., n s, 50' w Sumner Ave., 2 three-st'y brick dwells., tin roofs, wooden cornices; cost, total, $17,000; owner, A. Lought, Vernon Ave., near Sumner Ave.; architect, P. H. Gilbert; builder, A. Miller.

Hull St., n s, 100' e Hopkinson Ave., 5 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $3,500; owner, Daniel Lauer, 78 McDougal St.; architects and builders, Weeks & Lauer.

Degraw St., s s, 60' e Hoyt St., vault and chimney; cost, $4,000; owner, Jas. S. Duffy, Sackett and Hoyt Sts.; architect, T. F. Houghton.

Frost St., No. 148, s s, 72' w Graham Ave., three-st'y frame tenement, tin roof; cost, $3,600; owner, A. J. Cook, of Howell, Orange County, New York; architects and contractors, Sammis & Bedford; masons, Boyle & Brazill.

George St., Nos. 117 *and* 119, n s, 150' e Homburg Ave., 2 three-st'y frame tenements, tin roofs; cost, each, $4,200; owner, Wm. Wolf, Broadway and Fayette St.; architect, Th. Engelhardt; builder, Joseph Wagner, Jr.

Varet St., Nos. 113 *and* 115, n s, 165' w Ewen St., four-st'y brick dwell., tin roof, iron cornice; cost, $8,000; owner, James S. Schneider, 571 Broadway; architect, Th. Engelhardt; builders, J. Rauth and D. Kreuzer.

Bearer St., No. 38, e s, 368' s Flushing Ave., two-st'y and basement frame dwell., tin roof; cost, $4,200; owner and builder, Samuel Strauss, 493 Bushwick Ave.; architect, Th. Engelhardt.

Eighth St., s s, 250' e Fifth Ave., 4 two-st'y and basement brick dwells., tin roofs, tin and wooden cornices; cost, each, $4,600; owner, Chas. Long, 299 Seventh Ave.; builder, J. F. Wood.

Eighth St., n s, 200' w Eighth Ave., 6 two-st'y and basement brick dwells., tin roofs, tin and wooden cornices; cost, each, $5,000; owner and builder, same as last.

Hamburgh St., e s, 50' s Prospect St., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,200; owner and architect, James Connolly, 125 Ainslie St.; builders, J. Rueger and J. Dreher.

Hudson Ave., No. 473, five-st'y brick storage, tin roof, brick cornice; cost, $8,900; owner, Wm. H. Bolton, 471 Hudson Ave.; architect, C. F. Eisenach; builders, Morris & Selover.

Second Pl., n s, 250' 6" e Henry St., 6 three-st'y and basement dwells., mansard, slate and gravel roofs, brick cornices; cost, each, $4,500; owner, Mrs. M. V. Phillips, 251 Washington Ave.; architect, G. L. Morse; builder, J. J. Cody.

Madison St., s s, 350' e Patchen Ave., 6 three-st'y and basement, two-st'y and basement, and four-st'y dwells., tin roofs, wooden cornices; cost, each, $4,500; owner, A. S. Walsh; architect and builder, T. Miller.

Chicago.

BUILDING PERMITS. — A. B. McChesney, 2 two-st'y stores and flats, 748-750 West Harrison St.; cost, $3,000; architect, Swift.

F. Kroula, three-st'y dwell., 26 Evans St.; cost, $3,500.

M. Schmit, two-st'y dwell., 158 Napoleon St.; cost, $3,500; architect, Stude.

Mrs. St. Clair, three-st'y flats, 207 Chestnut St.; cost, $3,500; architect, N. S. Pentecost.

J. Lehmann, three-st'y store and flats, 3600 Wentworth Ave.; cost, $5,000; architect, J. F. Doerr.

G. Jones, three-st'y store and flats, 444 Wells St.; cost, $3,000; architect, G. Jones.

H. Kipp, three-st'y store and dwell., 387 Clybourne Ave.; cost, $4,000; architect, F. Thompson.

W. D. Kerfoot & Co., 2 two-st'y cottages, Iowa St.; cost, $4,000.

J. Byrne, three-st'y store and dwell., 3149 Wentworth Ave.; cost, $5,000; architect, J. Speyer.

P. H. Witt, 2 two-st'y dwells., 3807-3809 Stanton Ave.; cost, $4,000.

D. A. Titcomb, two-st'y store and dwell., 128 North Western Ave.; cost, $4,000; architect, H. J. B. Hunter.

H. Keilman, 2 three-st'y flats, 208-210 Cass St.; cost, $10,000; architects, Frohman & Gebson.

H. B. Wheeler, 3 two-st'y dwells, 3804-3808 Indiana St.; cost, $12,000; architects, Wheelock & Clay.

R. L. Martin, 6 three-st'y dwells., 91-101 Arthington St.; cost, $22,000.

R. L. Martin, 18 two-st'y dwells., Loomis St.; cost, $68,000.

S. W. Fallows, 8 three-st'y flats, Washington and Carpenter Sts.; cost, $70,000.

T. Massa, two-st'y dwell., 819 Warren Ave.; cost, $6,000.

J. Wellenhofer, two-st'y flats, 242 Centre Ave.; cost, $4,000.

H. Turner, two-st'y dwell., 420 Belden Ave.; cost, $4,000.

H. Shannon, two-st'y dwell., 571 Lasalle Ave.; cost, $7,000.

E. Wight, two-st'y dwell., 856 Warren Ave.; cost, $3,500; architect, Garnsey.

S. Knight, two-st'y dwell., 308 Idaho St.; cost, $3,500.

F. Kuera, two-st'y store and flat, 3069 Main St.; cost, $2,500.

Campbell & Furst, 2 two-st'y dwells., 303 Lasalle Ave.; cost, $12,000.

P. Rinn, two-st'y dwell., 615 Lasalle Ave.; cost, $12,000; architect, T. Karls.

S. Florsheim, two-st'y dwell., 3143 Michigan Ave.; cost, $20,000.

E. P. Anthony, three-st'y dwell., 612 Fulton St.; cost, $5,000.

G. Rappho, three-st'y dwell., 239 Lincoln Ave.; cost, $6,000; architect, H. M. Hansen.

G. Schmidt and J. H. Huber, 4 two-st'y dwells., 70-74 Maple St.; cost, $20,000; architect, J. H. Huber.

M. & A. Gordon, two-st'y dwell., 1059 Jackson St.; cost, $3,500.

Mrs. A. C. Clancy, two-st'y dwell., 507 Congress St.; cost, $4,500.

A. Forrest, two-st'y store and dwell., 429 South Western Ave.; cost, $3,500.

R. Garnett, two-st'y flats, 165 Robey St.; cost, $6,000.

O. M. Brady, two-st'y bakery, 702 West Lake St.; cost, $4,000.

J. Burrows, three-st'y flats, 1199 Washington Bouv.; cost, $5,000.

Carpenter Bros., two-st'y store and flats, 550 West Lake St.; cost, $7,000.

Mrs. B. Hellas, two-st'y flats; cost, $2,700; architect, G. Edbrooke.

A. Conrad, two-st'y dwell., 339 Maxwell St.; cost, $4,000.

W. Johnson, three-st'y flat, 179 North Curtis St.; cost, $4,000.

J. Ward, two-st'y dwell., 427 Oak St.; cost, $4,000.

E. F. Pulsifer, 2 two-st'y dwells., 19-21 Twenty-third St.; cost, $8,000.

A. Sickel, two-st'y flat, 254 Sheffield St.; cost, $3,000.

A. Krowsmock, two-st'y dwell., 453 Elston Ave.; cost, $3,700.

S. McAuley, three-st'y flats, 57 Centre Ave.; cost, $5,500.

M. Partell, three-st'y dwell., 55 Wisconsin St.; cost, $4,000.

C. Schmidt, 2 three-st'y stores and dwells., 3101-3103 Wentworth Ave.; cost, $15,000.

W. Fallows, 5 two-st'y dwells., 337-345 Paulina St.; cost, $10,000.

S. H. Wheeler, 10 two-st'y stores and dwells., 1353-71 West Lake St.; cost, $30,000.

Turner & Bond, 15 dwells., Parnell Ave.; cost, $15,000.

G. H. Cole, two-st'y dwell., 3137 Forest Ave.; cost, $8,000.

G. Gross, 2 two-st'y stores and dwells., 627-629 West Madison St.; cost, $10,000.

W. P. Fitzpatrick, three-st'y store and dwell., 439 Ogden Ave.; cost, $6,500.

J. Spry, 2 three-st'y dwells., 114-116 Sangamon St. cost, $6,000.

Hanke Bros., three-st'y factory, Ada and Kinz Sts.; cost, $9,000.

Cincinnati.

BUILDING PERMITS. — Gordon McNeil, two-and-one-half-st'y brick building, Vine and Hammond Sts. cost, $7,700.

Oct 17, 1885

for elevator-owners than for the tax-payers, who will, we suppose, be called upon to answer the demand which the owner succeeds in avoiding. The regulation that passenger-elevators shall have the weight they can carry noted in a conspicuous place reminds us of the little comedy which is played in most of the warehouses where, in accordance with a similar rule, the weight which the floors will safely bear is indicated in bold letters in different portions of the building; but in the case of elevators it is possible that the determination of the safe weight may be left to the calculation of the inspector instead of the bold guessing of the proprietor. The trouble would seem to be, however, that, as the weight which an elevator can safely carry depends mostly upon the strength of the hoisting-rope, the "metal plate with raised letters" ought to be changed, or at least criticised, with every change in the rope, while, as the rope deteriorates rapidly with use, the plate should show the minimum strain which it should be allowed to endure before being condemned altogether by the inspector.

A RATHER singular accident took place a few days ago in Chicago, where a four-story brick building collapsed, early one morning, the whole interior falling into the cellar. The weakness of the structure was first observed by a boy, who saw a movement in the wall, and told the engineer, but was laughed at for his pains. Soon afterward, however, an alarm was raised, and all the persons in the building succeeded in escaping before it fell. The cause of the catastrophe is said to have been the dry-rotting of the wooden girders where they rested upon the posts. The building had been examined not long before, and pronounced safe, and it seems possible that the rotting of the timber may have been caused by painting it while green, and that the same coat of paint may have served to conceal the ravages of the fungus from those who inspected the work. Paint, which prevents the drying of the corruptible sap of green timber, is a common cause of decay, while the contact of the end grain of one piece with the side of another, as in the case of a girder resting on a post, is an equally common one, so that the safest way in buildings framed with such timbers is always to rest the horizontal pieces on iron caps or brackets, and to avoid painting until the work has become seasoned by years of use.

THE great engineering sensation of the past week seems to have been the great submarine blast at Flood Rock reef, in the East River branch of New York Harbor, which has destroyed the last obstruction to the navigation of the river, and will, when the débris is cleared away, open Long Island Sound forever to the largest vessels which enter and leave the port of New York. Ever since the settlement of the city, the narrow and dangerous passage known by the significant name of Hell Gate has been the subject of much thought and no small amount of practical effort. Although deep enough in the channel, the natural passage is tortuous, and is rendered tenfold more dangerous by the violence of the tide, which, coming on one side from Long Island Sound, and on the other from the broad expanse of the harbor, forces itself through the narrow opening with extraordinary force. So swift is the current that the prisoners on Randall's and Blackwell's Islands, in the middle of the stream, are allowed to go, almost unguarded, to the very edge of the water, within easy hearing of the voices of their friends on the main land; the knowledge that no one, not of almost superhuman strength, could reach the other shore alive, serving to prevent any attempts at escape by swimming. The swiftness of the current was rendered more dangerous to navigation by the presence of several reefs and ledges, almost in the middle of it, which threw the stream into eddies against which even the most powerful steamers at times struggled with difficulty, and served to wreck innumerable smaller craft; so that long ago a subscription was raised among the owners of vessels in New York to improve the channel by private enterprise. A good deal was done in this way, but private individuals in such cases work at a disadvantage, and the United States Government at last undertook the task of clearing the passage permanently and effectually. For this purpose, after some minor operations upon the smaller reefs, the two greatest obstructions, Hallett's Point Reef and Flood Rock, were attacked by submarine mining on a grand scale. The Hallett's Point Reef was first removed, by means of ten tunnels, extending, with their cross galleries, to a length of about a mile and a half. These were charged with something more than fifty-two thousand pounds of dynamite, which was fired on a Sunday morning in September, 1876, to the great terror of the people on the neighboring shores, who were assured by sundry wiseacres that the explosion would cause a destructive earthquake in the city. The blast was completely successful, and operations were immediately commenced on a much larger scale against Flood Rock, a ledge of hard hornblende gneiss, covering about eight acres of ground, and appearing in some places above high water. The first work was to build a little platform of broken stone on the highest part of the rock, to give a site for the necessary buildings; and a shaft was then sunk at this point to a depth of sixty-seven feet. An auxiliary shaft was sunk close by, for supplying air, while the main shaft was used for removing the rock excavated from the headings. About four miles of tunnels were driven, the longest single heading being twelve hundred feet, and the system extending everywhere to within a distance from the surface of the rock varying from ten to twenty-five feet. About eighty thousand cubic yards of rock were removed from the tunnels before they were ready for the explosion. The next step was to drill in the walls of the tunnels thirteen thousand two hundred and eighty-six holes, each three inches in diameter and nine feet deep, in which were placed forty-seven thousand dynamite cartridges, containing in all about two hundred and eighty-five thousand pounds of the explosive. The cartridges were connected by about a hundred miles of wire, and, just before firing, the excavations were flooded with water by means of a siphon, with the object of securing the distribution of the explosive force by means of the incompressible fluid. The current for firing the charge was sent from the Long Island shore, and the detonation seems to have been complete, the whole ledge, so far as has yet been learned, having been broken into loose fragments, which will be easily removed with a dredge to a deep part of the channel, where they will be out of the way. When this is done, a clear channel, twenty-six and one-half feet deep at low water, and fifteen hundred feet wide, will be open into Long Island Sound, and the course of navigation in New York Harbor will be very sensibly changed.

MANY young architects will be relieved to have a question answered which often troubles them and their clients. A letter written to the law editor of *La Semaine des Constructeurs* describes a case where a contract was made for building a house between party-walls already existing. The new house was higher than the others, and it was necessary to build upon the party-walls. The extra height of wall was indicated on the drawings, with a thickness shown by scale only at twenty inches, which is a common thickness for stone party-walls. The specification said that the party-walls were to be "continued" to the height of the new building. After the completion of the party-walls, it was found that they were originally only fifteen inches thick instead of twenty, and had been carried up of the same thickness. A claim was then made upon the contractor for an allowance of the difference in value between a fifteen and a twenty-inch wall of the height shown. He denied the justice of the claim, and the case was referred to *La Semaine*, which decides unhesitatingly in favor of the contractor. It is the law in France, as it is common to stipulate in contracts everywhere, that a contractor for a building at a fixed price cannot demand extra payment on account of any changes or additions whatever which have not been ordered in writing, and the price of them agreed to by the owner: and the editor says that both in law and justice this rule, which usually works to the disadvantage of the contractor, applies also to cases where it brings him some advantage; and that unless a written order had been given for reducing the thickness of the extension of the party-walls from the specified dimensions, and an allowance agreed upon by both parties before commencing the work, nothing could be claimed by the owner for the saving so effected. In the present case we doubt whether the specification, taken with the plan, which showed no figures for the thickness of the party-walls, although all other dimensions were figured, could be regarded as requiring the contractor to build the upper portion of the party-walls thicker than the substructure, so that it is at least uncertain whether an allowance could have been required, even if a written order had been given for the variations from the scale dimensions of the plan; but without such order a claim of the kind would be totally inadmissible.

Oct 17, 1885

E. D.; architect, G. W. Anderson; builders, P. Brady and J. D. Anderson.

ALTERATIONS.—*Pierrepont St., No.* 58, mansard roof, interior alterations, new stone-work, and also one-st'y and basement brick extension, tin roof; cost, $6,000; owner, Wm. Zeigler, Mansion House; architects, Parfitt Bros.

Schenck St., w s, 130′ n Park Ave., four-st'y frame extension; cost, $2,500; owner, M. F. McDermott, 479 Willoughby Ave.; architect, P. H. Kilgeon; builder, M. Myers.

Beaver St., Nos. 63-73, one-st'y brick extension, interior alteration, ice-chamber, iron beams, columns, etc.; cost, $12,000; owner, William Ulmer, Beaver St., cor. Belvidere St.; architect, Th. Engelhardt; builder, S. J. Burrows.

Chicago.

STORE.—Three-st'y block of stores and flats for Patterson Bros., to be built cor. Cottage Grove and Forty-third St. Anderson pressed-brick with red terra-cotta, and a large amount of fine stained-glass; cost, $45,000; contracts let; McAfee & Lively, architects.

FLAT.—Also a double flat for same owners, 215 West Thirty-sixth St, inclosed; cost, $23,000; McAfee & Lively, architects.

A flat building for Henry Bentz, 352 West Congress St.; cost, $5,000; architects, same as last.

Flat and store building for B. Quigley, 444 West Twelfth St.; cost, $4,800; architects, same as last.

HOUSES. — Two dwells. for W.Ister, 261 Park Ave., to cost, $8,000; architects, same as last.

BUILDING PERMITS. — F. Bartolmei, two-st'y store and dwell., 305-307 Ogden Ave.: cost, $5,000.

C. Kaufman, three-st'y store and flats, 3207 Archer Ave.; cost, $6,000.

R. Born, two-st'y dwell., 767 Washington Boulevard; cost, $6,000.

M. Hinsel, two-st'y store and dwell., 254 Dayton St.: cost, $4,500.

Mrs. B. Titus, 6 two-st'y dwells., 1035-1045 West Van Buren St.: cost, $18,000.

Proctor & Wood, 4 two-st'y dwells., 3221-3225 Rhodes Ave.; cost, $8,000.

W. J. Evans, two-st'y dwell., 1146 Monroe St.; cost, $3,500.

E. Graham, three-st'y store and dwell., 466 West Van Buren St.; cost, $5,000.

Mrs. E. Cotton, three-st'y store and dwell., 3004 State St.; cost, $10,000.

Silver Bros., three-st'y store and dwell., 3002 State St.: cost, $10,000.

H. & H. Dense, 2 two-st'y flats, 882-886 Thirty-second St.; cost, $2,500.

J. Osgood, two-st'y dwell., 274 Irving St.; cost, $3,500; architect, W. L. Carroll.

Mrs. M. Keppes, 2 two-st'y dwells., 310 Park Ave.; cost, $6,000; architect, T. Karls.

H. Giroux, two-st'y dwell., 34 Spruce St.; cost, $2,600.

A. Moody, two-st'y dwell., 777 Washington Boulevard; cost, $10,000.

J. G. Nelson, 6 two-st'y dwells., 693-703 West Erie St.: cost, $13,000.

J. M. Carroll, three-st'y store and dwell., 471 Milwaukee Ave.: cost, $9,000.

J. Plaseck, 2 two-st'y dwells., 423-425 Twenty-fifth St.; cost, $6,000.

M. Rainburg, two-st'y flats, Centre Ave.; cost, $10,000.

J. Pahrens, two-st'y dwell., 3218 Vernon Ave.; cost, $7,000.

M. E. Swart, 2 three-st'y stores and dwells., 2800-2802 Wentworth Ave.; cost, $11,000.

E. Bloedern, two-st'y dwell., 316 North Wood St.; cost, $2,800.

J. McCaffery, 4 three-st'y flats, 104-108 Sebor St.; cost, $12,000.

S. A. Cunningham, 4 three-st'y dwells.; 410-416 East Chicago Ave.; cost, $20,000.

C. P. Dose, two-st'y dwell., 232 West Division St.; cost, $10,000.

W. Styrl, two-st'y dwell., 3200 Fifth Ave.; cost, $8,000.

Mrs. D. Dobbin, two-st'y dwell., 821 Warren Ave.; cost, $3,000.

R. C. Rounsavell, two-st'y flats, 285-287 Webster Ave.; cost, $9,000.

M. Hanley, two-st'y flats, 223 Loomis St.; cost, $3,500.

Mrs. M. T. O'Hara, two-st'y dwell., 128 Sangamon St.: cost, $3,000.

C. Swigart, three-st'y store and flats, 957-959 West Madison St.; cost, $12,000; architect, C. N. Weare.

E. Johnson, four-st'y store and flat, 115 West Huron St.; cost, $10,000.

C. Breyer, two-st'y flats, 576 North Robey St.; cost, $3,800.

W. H. Fleming, two-st'y flats, 3647-3649 Forest Ave.; cost, $8,000.

Mrs. B. Titus, 3 three-st'y dwells., 114-118 Thirty-third St.; cost, $10,000.

J. E. Koehsel, four-st'y store and flat, 328 Indiana St.; cost, $7,500.

W. A. Loveland, 2 two-st'y dwells., 3548-3650 Prairie Ave.; cost, $6,500.

F. Schultz, two-st'y flats; cost, $3,500.

M. Myers, two-st'y flats, 912-914 Ashland Ave.; cost, $8,000; architect, H. R. Wilson.

J. Wells, two-st'y dwell., 179 Sedgwick St.; cost, 5,000.

Ernst Bros. Brewing Co., three-st'y office, 67 Larrabee St.; cost, $8,000.

Ernst Bros. Brewing Co., two-st'y barn, 51 Larrabee St.; cost, $8,000.

T. Hill, 6 two-st'y dwells., 835-845 West Congress St.; cost, $14,000.

O. Tremain, two-st'y flats, 325-337 Loomis St.; cost, $5,000.

F. Harvey, two-st'y dwell., 3112 Vernon Ave.; cost, $1,500.

H. A. Osborn, three-st'y store and flats, 494 West Madison St.; cost, $12,000.

M. H. Lukin, two-st'y dwell., 587 North Ave.; cost, $4,500.

J. Hickson, 2 two-st'y dwells., 628-630 Hulbut St.; cost, $10,000; architect, O. G. Plosser.

Minneapolis, Minn.

BUILDING PERMITS.—Frank Zerbaugh, two-st'y wood dwell., s s Redegund Ave., bet. Lindley and Lyndal Aves.: cost, $3,000.

P. G. Lameraux, two-st'y wood dwell., n e s First Ave., bet. East Thirty-first and East Thirty-second Sts.; cost, $8,000.

P. G. Lameraux, two-st'y wood dwell., w s First Ave., bet. East Thirty-second and East Thirty-third Sts.; cost, $8,000.

C. D. Haven, two-st'y wood dwell., s w s Fourth St., bet. Eleventh and Twelfth Aves., s; cost, $3,000.

Geo. H. Leeth, two-st'y wood dwell., w cor. North Irving and Fifth Aves., n; cost, $3,000.

Frank G. Ball, two-st'y wood dwell., n e s Clinton Ave., bet. East Twenty-fifth and East Twenty-sixth Sts.: cost, $3,000.

Minneapolis Gas-Light Co., brick purifying house, e s Cedar Ave., bet. Bluff and River Sts.; cost, $10,000.

Hugh Harrison, two-st'y wood dwell., s s Oak Grove St., near Vine Pl., s; cost, $3,000.

Randolph Mitchell, two-st'y wood dwell., w s Lyndale Ave., bet. Linden and Hawthorne Aves., n; cost, $5,000.

Albee Smith, two-st'y brick dwell., n s West Fifteenth St., bet. Vine and Spruce Aves.; cost, $6,000.

Jeremiah Spear, 4 three-and-a-half-st'y brick veneer dwells., e s Tenth Ave., bet. Second and Third Sts., s; cost, $20,000.

Jeremiah Spear, two-st'y brick veneer barn, e s Tenth Ave., bet. Second and Third Sts., s; cost, $2,000.

J. H. Collom, 3 three-st'y brick tenements, s e cor. North Lyndale and Seventeenth Aves., n; cost, $12,500.

J. H. Collom, 2 two-st'y brick stores, s e cor. North Lyndale and Seventeenth Aves., n; cost, $7,500.

Congregational Church Society, brick veneer church, w s Fourteenth Ave., bet. Talmage and Como Aves., s; cost, $10,000.

Minneapolis Mill Co., wood and iron gate-house, Canal St., at foot of Sixth Ave., s; cost, $4,200.

R. E. Ledgerwood, four-st'y brick store, n e s Washington Ave., bet. Thirteenth and Fourteenth Aves., s; cost, $6,000.

Jno. S. Homan, two-st'y wood dwell., e s Seven-and-a-half Ave., bet. East Nineteenth and East Twentieth Sts.; cost, $4,000.

Frank E. Crew, two-st'y wood dwell., s w s Park Ave., bet. East Nineteenth and East Twentieth Sts.; cost, $3,000.

E. J. Phelps, 7 three-st'y brick tenements, e s Nicollet Ave., bet. East Sixteenth and East Seventeenth Sts.; cost, $30,000.

City of Minneapolis, two-st'y brick engine-house addition, s w s Prairie St., bet. Central and First Aves., s; cost, $8,000.

New York.

BUILDING PERMITS. — *Eighty-seventh St.*, s s, 4 five-st'y brick tenements, flat tin roof; cost, $80,000; owners, Moore & McLaughlin, 240 East Seventy-first St.; architects, Thom & Wilson, 1267 Broadway.

East Eighty-fifth St., No. 109, five-st'y brick tenement, brown-stone front, flat tin roof; cost, $20,000; owner, Joseph Murray, 1472 Fourth Ave.; architects, Babcock & McAvoy, 64 College Pl.

One Hundred and Forty-fifth St., n s, 200′ w St. Ann's Ave., four-st'y brick tenement, flat tin roof; cost, $12,000, owner, Robert Schwend, 31 Lewis St.; architect, Adam Munch, 307 East One Hundred and Fifteenth St.

Fifty-fifth St., s s, 150′ e First Ave., two-st'y brick boiler-house and coal storage, flat tin roof; cost, $10,000; owner, Henry Elias, 158 East Seventy-first St.; architects, A. B. Ogden & Son, 409 East Fifty-third St.

Willet St., No. 29, five-st'y brick building, flat tin roof; cost, $8,000; owners, Chas. and Herman Gotthelf, 252 Delancy St.; architect, F. W. Klemp, 215 Bowery.

One Hundred and Fifty-first St., s s, 200′ w Morris Ave., two-st'y frame dwell., flat tin roof; cost, $3,000; owner, Timothy Sullivan, 466 East One Hundred and Fifty-first St.; architect, R. Rogers, 115 Nassau St.

Forsyth St., No. 146, five-st'y brick tenement, flat tin roof; cost, $18,000; owner, Matthew Hoellerer, 139 Ludlow St.; architect, Julius Kastner, 744 Broadway.

One Hundred and Forty-second St., s e cor. College Ave., 6 two-st'y and basement brick dwells., flat tin roofs; cost, $24,000; owner, La Cast & Van Reper, 693 East One Hundred and Forty-third St., and 548 East One Hundred and Forty-third St.; architect, H. S. Baker, 693 East One Hundred and Forty-third St.

Eighty-first St., n s, 450′ w Eighth Ave., 3 four-st'y and basement brick dwells., flat tin roofs; cost, $40,000; owner, Samuel Colcord, 460 West Seventy-ninth St.; architect, H. L. Harris, Ninth Ave., cor. Eightieth St.

Ninth Ave., s w cor. Sixty-ninth St., fronting on street, five-st'y brick tenement, flat tin roof; cost, $25,000; owner, Geo. J. Hamilton, 2078 Fifth Ave.; architects, Thom & Wilson, 1267 Broadway.

Sixty-ninth St., s s, 225′ w Ninth Ave., 4 four-st'y brick dwells., flat tin roofs; cost, $80,000; owner, Geo. J. Hamilton, 2078 Fifth Ave.; architects, Thom & Wilson, 1267 Broadway.

Grand St., n s, 75′ e Willet St., five-st'y and basement brick tenement, flat metal roof; cost, $18,000; owner, S. B. Clark, 496 Grand St.; architect, John B. Snook, 12 Chamber St.

Rivington St., s w cor. Lewis St., one-st'y brick stable, flat tin roof; cost, $4,000; owner, Felix Brown, 394 East Eighteenth St.; architect, William Graul, 12 Stanton St.

One Hundred and Sixty-sixth St., s s, 175′ w Washington Ave., three-st'y brick dwell., flat tin roof; cost, $3,000; owner, Catharine Lynch, 1945 Third Ave.; architect, Arthur Arctander, 373 Willis Ave.

New Ave., w s South One Hundred and Sixth St., 6 three-st'y brick buildings, flat tin roof, Amherst and Connecticut brick front; cost, $60,000; owner, F. A. Seitz, 315 East Forty-second St.; architect, Joseph M. Dunn, 1193 Broadway.

West Fifty-seventh St., No. 517, three-st'y brick building, flat roof; cost, $3,000; owner, Conrad Stein, 521 West Fifty-seventh St.; architect, J. Kastner, 744 Broadway.

Third Ave., w s, 50′ s One Hundred and Sixty-ninth St., three-st'y brick building, flat tin roof; cost, $5,000; owner, Christian Wetzell, 1295 North Third Ave.; architect, Charles Churchill, 777 East One Hundred and Sixty-fifth St.

ALTERATIONS. — *Pier* 40, *East River, foot of Pike St.*, one-st'y iron and wood building, to be raised one st'y, making the same two-st'y, peak roof; cost, $3,000; lessees, N. Y. Central & N. R. R. Co.; receiver, Joel B. Erhardt, 40 West Fifty-ninth St.; carpenter, Warren Rosevelt, 257 South St.

One Hundred and Twenty-fifth St., n s, 100′ e Fourth Ave., three-st'y and attic stone and brick building, peak roof, cellar steps removed, area to be formed and covered with glass and iron vault light, new show windows, new plastering, etc.: cost, $5,000; owner, A. Loher, 62 West Thirty-eighth St.; architect, Chas. P. H. Gilbert, 18 Broadway.

Madison Ave., s e cor. Fifty-ninth St., one-st'y brick and iron building, peak roof, extension, flat tin roof; cost, $3,000; owners, Merrimac & Monitor Panorama Co., cor. Fifty-ninth St. and Madison Ave.; architects, Carriere & Hastings, 57 Broadway.

West Thirty-first St, *No.* 448, four-st'y brick building, flat tin roof, addition; cost, $3,000; owner, Andrew Herrell, 448 West Thirty-first St.; architects, Thom & Wilson, 1267 Broadway.

Charles St., No. 120, three-st'y brick dwell., addition, peak roof; cost, $3,000; owner, Jeremiah W. Dimick, 31 Madison Ave.; architect, J. H. Whitenack, 734 Greenwich St.

Broadway, Nos. 31 *and* 33, five-st'y brick office-building, top loft to be partitioned off; cost, $7,000; owner, Wm. R. Astor, 22 West Fifty-sixth St.; carpenter, S. R. S. Schemerhorn, 10 Nassau St., Brooklyn.

West Fifty-third St., No. 7, four-st'y brick dwell., addition, flat tin roof; cost, $2,100; owner, J. Johnson, 7 West Fifty-third St.; architect, John H. Duncan, 237 Broadway.

Fifty-ninth St., s s, 520′ w Eleventh Ave., two-st'y brick storage building, addition, flat tin roof; cost, $5,000; owner, Joseph Eastman, 1 East Seventy-second St.; architect, J. E. Terhune, 218 West Thirty-seventh St.

Philadelphia.

BUILDING PERMITS.—*Broad St.*, n e cor. Washington St., engine-house; Geo. B. Newton & Co., owners.

Berks St., cor. Palethorp St., two-st'y factory; Geo. Buchanan, contractor.

Columbia Ave., w of Twenty-sixth St., 2 three-st'y dwells.; Jas. Dingee, owner.

Fairhill St., n of Cambria St., 3 two-st'y dwells.; Silas Walters, owner.

Sumner St., w of Twenty-second St., 4 two-st'y dwells.; Wendell Smith.

Fifty-sixth St., cor. Chelsea St., 2 two-st'y dwells.; Henry Dillon, contractor.

Thayer St., between Huntingdon and Tasker Sts., 7 two-st'y dwells.: F. Dietrich, contractor.

Park St., n of Shunk St., 12 two-st'y dwells.; B. P. Evans, owner.

Ellsworth St., w of Sixteenth St., two-st'y stable; Harvey & McDaniel, owners.

Moore St., e of Second St., 2 two-st'y dwells.; David Doan, owner.

Jefferson St., e of American St., five-st'y factory; W. R. Douglas, contractor.

Olive St., w of Eleventh St., 3 two-st'y dwells.; Chas. McCaul, contractor.

Brown St., w of Eleventh St., 2 three-st'y dwells.; contractor, same as last.

North St., No. 520, five-st'y factory; J. S. Bird, contractor.

Germantown Ave., No. 5430, 2 two-st'y dwells., H. H. Bugby, contractor.

Fourth St., n of Somerset St., church, 50′ x 60′; J. F. Miller, contractor.

Hicks St., below Mifflin St., 19 two-st'y dwells.; A. L. Flanagan, owner.

Unity St., cor. Adams St., four-st'y hosiery-mill; F. H. Henry, contractor.

Edgemont St., cor. Division St., 2 two-st'y stores; Jno. McCann, owner.

Stiles St., w of Twenty-ninth St., 6 two-st'y and 8 three-st'y dwells.; Elkins & Wedener, owners.

Walter St., w of Twenty-ninth St., 42 two-st'y dwells.; owners, same as last.

Ninth St., n of Cumberland St., 3 two-st'y dwells.; W. K. Bower, contractor.

Leithgow St., n of Somersett St., 3 two-st'y dwells.; contractor, same as last.

Sixteenth St., s of Dickinson St., 5 two-st'y dwells.; Thompson & Bro., contractors.

St. Louis.

BUILDING PERMITS. — Thirty-six permits have been issued since our last report, nine of which are for unimportant frame houses. Of the rest, those worth $2,500 and over are as follows:—

O. Koerner, two-st'y brick dwell.; cost, $4,500; W. Whrl, architect; A. Whrl & Sons, contractors.

Charles Grengoleuske, two-st'y brick store and dwell.: cost, $3,000; Henry Sudholter, contractor.

C. Lindenkohl & Co., two-st'y brick dwell.; cost, $4,000; C. Linnenkohl & Co., contractors.

John Waldman, two-st'y brick dwell.; cost, $2,500; H. E. Peipers, architect; J. H. Keefe, contractor.

Aug. Hausmann, 4 adjacent two-st'y brick dwells.; cost, $14,000; Aug. Beinke & Co., architects; F. Offermann, contractor.

Fred Cornwell, 2 adjacent two-st'y brick flats; cost, $4,700; A. W. Black, contractor.

Jos. Wonich, 2 adjacent two-st'y brick tenements; cost, $3,800; M. Balo, contractor.

St. Louis Stamping Co., two-st'y brick addition to warehouse; cost, $3,000; Aug. Beinke & Co., architects; sub-let.

Mrs. A. M. Bohle, 2 adjacent two-st'y brick tenements; cost, $3,000.

Henry Bewig, two-st'y brick dwell.; cost, $3,500; Henry Nagel, contractor.

nd Draught of said Law, were
e printed.
Y M. CONGDON.
Secretary, pro-tem., A. I. A.

CLIPPINGS.

ker," says London *Truth*, "how
d with the origin of the term
nch a great meeting of their
-cussing the best means of cel-
of the Huguenots in Cape Col-
owever, knew what Huguenot
d that the memorial should be
n his works inscribed round

ns. — Mistakes are expensive
-venty-five feet wide, intending
it, and one of the middle ones
to locate the house, and they
on one side was only ten feet
il the house was done, the pro-
nch trifles. Then he sued the
-erdict on the ground that their
actory, although it located the
ction than was intended. This
t played upon a resident in a
, who returned from business
ouse in ruins, the heavy stone-
nd. His wife said a man had
one so. Although she did not
xplanations, she did observe the
itizen took measures to prose-
lover of the men had ordered
-ty-eighth Street, instead of to
nistake and had contracted to
as surprised to learn that the
nts of metropolitan life show
ry little concern, those respon-
-logize or even explain. The
that is spent in getting

—Overcoming what at one time
es the Great Western Railway
Hawkshaw and Mr. Richard-
ontractor, have at length com-
our miles and a quarter of tun-
nd have thus connected South
Railway Company's system on
They have by this means re-
-liff by thirteen miles, and the
Cardiff to one and a quarter
h and the staff of the works,
Hooch, the whole numbering
h the tunnel from end to end
k half an hour going through
t on the English side of the
turn journey to Rogglett Sta-
ordinary time to be occupied
ated at only ten minutes. The
oroughly enjoyed the trip, and
ar and the ventilation admira-
twenty feet high from the rails
ickwork, and has a double line
More than a mile of it has been
andstone and the coal meas-
e overlying the pennant; half
with some beds of coal twelve
h the red marl of the new red
miles of actual tunnelling are
journey on Saturday the whole
the floor of a room, the only
once troublesome land springs
r what is known as the Five-
eat spring was tapped in 188
d. The leakage, however, was
d by calking and cement work
opted beneath the river. The
the river bed and the crown of
. At this point there is always
even at low tide, while at high
ninety-one feet. Seventy five
lining the tunnel throughout
in cement. This arched crown
the deepest part of the work
nel rises from the lowest point
two feet three inches; 700,000
excavated, chiefly through rock,
he work has in all been spread
present contractor has been in
-a half years. A powerful fan
ted to complete the ventilation,
ire side together with the junc-
ling tions of the line from
the d will be opened for
hs.— *...on Times.*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents here mentioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

327,989. STONE LIFTING AND CARRYING MACHINE. —William E. Barber, Wyoming, R. I.

327,997. ELECTRIC ANNUNCIATOR. — Arthur E. Briggs, Bond Hill, O.

328,030. ELECTRIC BOLT-RELEASING DEVICE. — Geo. L. Heuzel, San Francisco, Cal.

328,031. BEAM-COMPASSES. — Lester E. Hickock, Birmingham, Conn.

328,064. WINDOW-SCREEN. — Paul Ramser, Montezuma, Iowa.

328,073. COMPOSITION FOR GRAINING WOOD. — Adam Smith, Middleville, Mich., and Polly A. Zelle, Dundee, N. Y.

328,077. COMBINED DOOR SPRING AND CHECK.— John S. Stevens and Charles G. Major, Battersea, County of Surrey, England.

328,080. WINDOW-SCREEN FRAME.—John E. Stewart, Newark, N. Y.

328,081. CRANE.—John Sutherland, Attica, Ind.

328,102. PIPE-VISE. — John C. Bauer, Brockley, County of Kent, England.

328,114. DOOR-OPERATING DEVICE.—Julius Finck, San Francisco, Cal.

328,141. SHUTTER-WORKER. — Edwin Prescott, Arlington, Mass.

328,167. PIPE-WRENCH. — Richard E. Williams, Modesto, Cal.

328,168. MEANS FOR VENTILATING SEWERS.—John S. Wilson and William W. Green, Chicago, Ill.

328,180. WATER-CLOSET. — Philip Brady, New York, N. Y.

328,182. WINDOW-VENTILATOR.—John G. Bronson, Chicago, Ill.

328,184. KNOB-ATTACHMENT.—Philip Burns, Norwich, Conn.

328,185. FLOOR AND CEILING. — Charles Butcher, Boston, Mass.

328,191. KNOB-ATTACHMENT. — William H. Comstock, Norwich, Conn.

328,192. DOOR-CHECK.—Joseph A. Coultaus, Brooklyn, N. Y.

328,195. ROCK-DRILL. — George R. Cullingworth, New York, N. Y.

328,196. ROCK-DRILLING MACHINE. — George R. Cullingworth, New York, N. Y.

328,225. BURGLAR-ALARM. — Thomas James, Jr., Carlyle, Ill.

328,250. FIRE-EXTINGUISHING COMPOUND. — William H. Polleys, Melrose, Wis.

328,265. WINDOW-SCREEN. — Marcellus L. Whitcomb, Coldwater, Mich.

328,270. PIPE WRENCH AND CUTTER. — John Williamson, Camden, N. J.

328,286. WOVEN TAPE-LADDER FOR VENETIAN-BLINDS.—James Carr, Manchester, County of Lancaster, England.

328,294. ELEVATOR.—Henry M. Darling and Robert F. Darling, Linwood, O.

328,311. ELEVATOR. — Edward M. Ingoldsby, New York, N. Y.

328,320. COUNTERSINK.—Frederick Leu, Brooklyn, N. Y.

328,321. SASH-BALANCE.—Joseph Loch, New York, N. Y.

328,333. FILTER.—Emil Noppel, Philadelphia, Pa.

328,342. FIRE-SCREEN HINGE. — Jas. M. B. Robinson, New York, N. Y.

328,345. FIRE-ESCAPE.—Louis Sees, Port Elgin, Ontario, Can.

328,347. SASH-BALANCE.—Newton J. Skaggs, Montgomery, Ala.

328,350. SELF-ADJUSTING CHAIN SLING.—William Smith, Brooklyn, N. Y.

328,354. WASH-BASIN OR SIMILAR VESSEL.—Emily A. Stearns, Brooklyn, N. Y.

328,361-362. SELF-CLOSING HATCHWAY. — Richard D. Thackston, St. Louis, Mo.

328,382. DOOR-HANGER. —Norman Clark, Sterling, Ill.

328,393. COMBINED LATCH AND LOCK. — Samuel Ehrman, Connellsville, Pa.

328,426. PAINT-BRUSH. — Wm. A. Nowlin, Mexia, Tex.

SUMMARY OF THE WEEK.

Baltimore.

BUILDING PERMITS.—Since our last report thirty-four permits have been granted, the more important of which are the following:—

Chas. Shipley, 4 two-st'y brick buildings, e s Calhoun St., commencing n e cor. McHenry St., and 9 two-st'y brick buildings, n s McHenry St., e of Calhoun St.

J. W. Hoffacker, 16 two-st'y brick buildings, w s Scott St., s of Cross St., and 12 two-st'y brick buildings, e s Wicomico St., s of Cross St.

Edw. Booth, three-st'y brick building, n s Tyson St., between Tyson Alley and Park Ave.

W. B. Turner & Son, 5 two-st'y brick buildings, w s of Fortieth St., e of Riverside St., between Fort Ave. and Clement St.

Griffith & Turner, four-st'y brick building, e s Paca St., between Saratoga and Lexington Sts.

W. H. Hickman, three-st'y brick stable, n s Tenth Alley in rear w s Mott St., between Gay and Ensor Sts.

M. Wurtzberger, 2 three-st'y brick buildings, w s Harford Ave., n of Hoffman St.

Jas. Thurston, 6 two-st'y brick buildings, s s Presbury St., w of Gilmor St.

Chas. Gantz, 8 three-st'y brick buildings, e s of Broadway, s of Preston St.

Wm. Collett, 6 three-st'y brick buildings (square), w s Bolton St., n of Laurens St.

A. Weiskittel, three-st'y brick building, e s Washington St., between Fountain and Aliceanna Sts.

H. Schildwaehter, 2 two-st'y brick buildings, w s Pennsylvania Ave., n of Baker St.

L. L. McCusker, 3 two-st'y brick buildings, e s Argyle Ave., between Pitcher St. and the Market.

Wm. Hevser, 2 three-st'y brick buildings, w s Hillman St., s of Eager St.

Samuel Black, 2 three-st'y brick buildings, s e cor. Maryland Ave. and Townsend St.

F. W. Maldeis, 4 three-st'y brick buildings, commencing n w cor. Lexington St. and Selma Pl., and 5 two-st'y brick buildings, w s Selma Pl., n of Lexington St.

Jas. W. Lindall, 7 three-st'y brick buildings, w s McKim St., commencing s w cor. Biddle St.

Chas. W. Shipley & Co., 6 two-st'y brick buildings, w s Stockton Alley, s of Lanvale St.

Boston.

BUILDING PERMITS. — *South St.*, near Ashland St., storage, 25' x 30'; owner, Granville S. Seavens; builder, W. S. Mitchell.

Dorchester Ave., cor. Brook St., dwell., 20' and 27' x 31'; owner, Fitz Henry Price; builder, P. Fleming.

Lincoln St., No. 33, storage, 25' x 40'; owner, Thos. B. Merrill; builder, Angus McGinness.

Unnamed St., near Newhall St., dwell., 13' x 21'; owner, Thomas Sullivan; builder, H. P. Oakman.

Gold St., No. 94, dwell., 18' x 40'; owner, Margaret Kiley; builder, Wm. A. Pentry.

Richfield St., near Olney St., dwell., 29' x 31'; owner and builder, A. J. McLaren.

Wyman St., near Centre St., dwell., 17' and 23' x 45'; owner and builder, Andrew Cassidy.

Gold St., No. 92, dwell., 18' x 40'; owner, Margaret Kiley; builder, Wm. Pentry.

Dennis St., near Stafford St., dwell., 30' x 36'; owner, Hiram Nash; builder, W. M. Henderson.

Paul St., cor. Gove St. and Chestnut Ave., dwell., 33' x 40'; owner, John G. Cabe; builder, Thomas Clune.

A St., No. 136, storage, 27' x 30'; owner, James Quinn, owner; M. F. Sullivan, builder.

Dorchester Ave., near Ashmont St., station, 7' x 35'; owner, Old Colony R. R. Co.; builder, Edward Russell.

Maverick Sq., No. 43, storage, 15' x 15'; owner, G. L. Thorndike; builder, J. J. Fowler.

East Fourth St., Nos. 476 *and* 478, dwell., 29' 6" x 74'; owner and builder, Lyman Locke.

East Third St., dwell., 20' 6" x 36'; owner, Leonard Day; builder, John Hasty.

Ashmont St., cor. Carruth St., dwell., 32' 4" x 64'; owner, Chas. P. Kittredge; builders, Jackson & McDowell.

Brooklyn.

BUILDING PERMITS. — *Sixth Ave.*, n e cor. Twenty-second St., three-st'y brick store and tenement, tin roof; cost, $3,600; owner, Wm. Aiken, Fifth Ave. and Twenty-second St.; architect, G. M. Miller; builders, D. Gilmartin and Chapman & Purgold.

Milton St., n s, 300' w Manhattan Ave., three-st'y brick dwell., gravel roof; cost, $6,500; owner, C. A. Waters; architect, C. Dunkhase; builders, J. B. Woodruff and S. F. Bartlett.

Nelson St., Nos. 165, 167 *and* 169, n s, 80' w Court St., 3 three-st'y brick tenements, tin roofs; cost, each, $3,500; owner, architect and builder, Edward Keogh, 146 Luquer St.

George St., n s, 225' e Knickerbocker Ave., three-st'y frame store and tenement, tin roof; cost, $4,000; owner, J. O. Kalb, 169 Boerum St.; architect, H. Vollweiler; builder, J. Herte.

George St., n s, 225' e Hamburg St., three-st'y frame (brick-filled) tenement, tin roof; cost, $3,600; owner and builder, E. Wade, Meserole St.; architect, H. Vollweiler.

George St., n s, 150' e Knickerbocker Ave., 3 three-st'y frame (brick-filled) stores and tenements, tin roofs; cost, each, $4,000; owner and builder, Joseph Herte, 169 Boerum St.; architect, H. Vollweiler.

McKibben St., n s, 65' e Ewen St., two-st'y brick packing-house, tin roof; cost, $6,000; owner, Fred. Fligth, 289 Atlantic Ave.; architect, J. Platte; builder, J. McQuade.

Pacific St., n s, 200' w Third Ave., 8 four-st'y brick tenements, gravel roofs; total cost, $11,500; owner, C. Lindquist, 300 Atlantic Ave.; architect and builder, T. Pearson.

George St., n s, 250' e Hamburg St., three-st'y frame (brick-filled) tenement, tin roof; cost, $3,600; owner, E. Braun, Meserole St.; architect, H. Vollweiler; builder, E. Wade.

Hart St., n s, 200' e Nostrand Ave., 4 three-st'y brick dwells., tin roofs; cost, each, $5,000; owner and builder, Thomas E. Greenland, 256 Kosciusko St.; architect, I. D. Reynolds.

Atlantic Ave., n w cor. Nostrand Ave., three-st'y brick and iron stores and tenements, tin roofs; cost, $14,000; owner, D. K. De Beixedon, 93 Hancock St.; builder, E. Sorenson.

Dove St., Nos. 145-149, n s, 75' w Graham Ave., 3 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $4,500; owner, architect and builder, Stephen J. Burrows, 321 Ainslie St.

Navy St., s w cor. De Kalb Ave., two-st'y brick factory, tin roof; cost, $11,000; owners, Chas. Cooper & Co., Broadway; architect, E. F. Gaylor; builder, J. Guilfoyle.

Fifth Ave., w s, 21' 6" s President St., four-st'y brick store and tenement, gravel roof; cost, $8,000; owners and builders, Assip & Buckley, 77 Hall St.; architect, F. E. Lockwood.

Fifth Ave., s w cor. President St., four-st'y brick store and tenement, gravel roof; cost, $10,000; owner, architect and builder, same as last.

Fifth Ave., w s, 42' 6" s President St., 2 four-st'y brick stores and tenements, gravel roofs; cost, each, $10,000; owner, architect and builder, same as last.

Metrose St., n s, 225' w Knickerbocker Ave., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $4,000; owner and builder, Casp. Gessman, on premises; architect, G. Hillenbrand.

Troutman St., n s, 200' e Evergreen Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $3,500; owner and builder, Henry Heischer, 105 Troutman St.; architect, G. Hillenbrand.

Nostrand Ave., e s, 80' s Gates Ave., three-st'y brick store and dwell., tin roof; cost, $35,200; owner, John Strack, on premises; architect, I. D. Reynolds; builder, S. C. Whitehead.

McKibbin St., n s, 125' e Lorimer St., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $5,000; owner, Fritz Felten, on premises; architect, J. Platte; builder, J. Fallon.

Stagg St., s s, 235' w Waterbury St., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $4,500; owner, Jacob Schneider, 261 Stagg St.; architect, J. Platte; builder, U. Maurer.

Bleecker St., No. 66, n s, 325' e Evergreen Ave., two-st'y frame dwell., tin roof; cost, $3,400; owner, Robert A. Sebury, 55 Cedar St.; builders, M. Myers and G. Pearse.

Reid Ave., w s, 24' 6" s Quincy St., 4 two-st'y brick dwells., tin roofs; cost, each, $5,000; owner and builder, S. W. Post, 860 Van Buren St.; architect, E. L. Messenger.

Reid Ave., s w cor. Quincy St., four-st'y brick store and flats, tin roof; cost, $15,000; owner, architect and builder, same as last.

Myrtle Ave., n s, 125' e Marcy Ave., 2 four-st'y brick stores and tenements, tin roofs; cost for all, $21,000; owner, Thomas Rice, 809 Myrtle Ave.; architect, F. D. Van Pelt.

Lexington Ave., n s, 90' w Throop Ave., 3 two-st'y brick dwells., tin roofs; cost, each, $3,500; owner and builder, John McDicken, 280 Marion St.; architect, Ernest Dennis.

Clermont Ave., e s, 237' n Park Ave., three-st'y and cellar brick tenement, tin roof; cost, $7,300; owner, John F. Downey, 12 Vanderbilt Ave.; architect and contractors, M. Freeman's Sons; mason, J. J. Gallagher.

McDonough St., s s, 242' 6" e Tompkins Ave., 4 three-st'y brick dwells., tin roofs; cost, $7,000; owner, John Fraser, 16 Rochester Ave.

Willoughby Ave., s s, 80' w Sumner Ave., four-st'y brick tenement, tin roof, iron cornice; cost, $9,000; owner and builder, M. J. McLoughlin, 100 Kosciusko St.; architect, J. Hall.

Lorimer St., s e cor. Jackson St., three-st'y frame store and tenement, tin roof; cost, $6,200; owner, N. Gebelein, Throop Ave., near Hopkins St.; architect, T. Engelhardt; builder, M. Metzen.

ALTERATIONS.—*Ewen St.*, n e cor. McKibben St., one-st'y brick extension, tin roof, interior and wall alterations, iron columns and beams; cost, $4,000; owner, Fred. Figge, 289 Atlantic Ave.; architect, J. Platte; builder, J. McQuade.

Johnson St., No. 113, three-st'y and basement brick extension, tin roof; cost, $3,600; owner, B. Stern, on premises; architects and contractors, Maurice Freeman's Sons; mason, J. J. Gallagher.

Chicago.

BUILDING PERMITS. — G. A. Myers, two-st'y flats, 3528-3532 Lake Ave.; cost, $18,000; architect, H. Sierks.

C. R. Schultze, two-st'y store and dwell., 338 Clybourne Ave.; cost, $3,000.

Mrs. M. C. Stearns, two-st'y dwell., 311-313 Michigan Ave.; cost, $30,000; architects, Burnham & Root.

Mrs. M. C. Stearns, two-st'y barn, Michigan Ave.; cost, $3,000.

C. Busby, two-st'y flats, 39-45 Park Ave.; cost, $17,000; architect, C. M. Palmer.

P. Welcome, two-st'y dwell., 3449 Forest Ave.; cost, $3,000.

Mrs. McMahon, two-st'y dwell., 555 Thirteenth Pl.; cost, $2,800.

Mrs. Flood, two-st'y store and dwell., 1265 South Western Ave.; cost, $4,800; architect, N. Keye.

M. Turek, two-st'y dwell., 108 Fisk St.; cost, $2,500.

M. Neuzil, two-st'y store and dwell., 418 Eighteenth St.; cost, $3,500.

Schroder Bros. & Volkmann, five-st'y store, 136-137 Adams St.; cost, $30,000.

O. J. Nelson, five-st'y factory, 51-55 Pearson St.; cost, $11,000.

R. C. Rounsavell, 2 two-st'y dwells., 289-291 Webster Ave.; cost, $8,000.

W. Jenkinson, 2 two-st'y dwells., 25-27 Lexington St.; cost, $5,000.

M. Cohn, three-st'y store and dwell., 358 Division St.; cost, $11,000; builders, Foley & Molloy.

Baker Bros., two-st'y dwell., 169 Monroe St.; cost, $3,000.

B. M. Hair, 2 two-st'y dwells., 899-901 Adams St.; cost, $12,000.

H. D. Cook, two-st'y dwell., 3217 Groveland St.; cost, $7,500.

S. J. Lahoy, four-st'y store and dwell., 686-688 Madison St.; cost, $25,000; architect, G. Vigeant.

B. F. Baker, two-st'y barn, 183-185 Leavitt St.; cost, $2,500.

R. Krause, three-st'y flats, 289 Rush St.; cost, $5,000.

Mrs. M. E. Sands, 6 two-st'y dwells., 660-616 Congress St.; cost, $29,000.

J. Froehe, two-st'y dwell., 308 North Ave.; cost, $4,000; architect, P. Krepim.

J. D. Quinlan, two-st'y addition, 94 Randolph St.; cost, $7,000.

C. Bode, 3 three-st'y stores and flats, 510-514 West Twelfth St.; cost, $30,000; architect, C. Bodo.

D. M. Thiele, two-st'y school-house, 856 West Taylor St.; cost, $10,000.

M. Bennett, two-st'y store and dwell., 623 West Chicago Ave.; cost, $3,200.

S. C. Hapgood, two-st'y store and dwell., 684 West Polk St.; cost, $2,600.

Oct 24, 1885

L. M. Bargebush, two-st'y store and dwell., 3044 Butler St.; cost, $3,200.

T. Campbell, three-st'y dwell., 57 Bellevue Pl.; cost, $7,000.

F. C. Jocelyn, two-st'y barn, Michigan Ave.; cost, $3,500.

M. Koenig, three-st'y store and dwell., 239 West Chicago Ave.; cost, $6,500.

Mrs. Klinirt, three-st'y livery stable, Halsted St.; cost, $8,000.

F. G. Dewes, two-st'y malt-house, 169 Rice St.; cost, $12,000.

R. A. Dowling, 17 two-st'y dwells., Robey St.; cost, $50,000.

L. Coburn, 2 three-st'y stores and dwells., 279-281 West Van Buren St.; cost, $8,000.

J. L. Hastings, 2 two-st'y dwells., 3526-3528 Portland Ave.; cost, $5,000.

J. Hanson, three-st'y dwell., 230 May St.; cost, $4,000. builder, Rosmussen.

W. H. Moore, two-st'y dwell., 3625 Grand Boulevard; cost, $7,000.

Helen H. Murray, 3 two-st'y dwells., 40-44 Bryant St.; cost, $7,500; architect, T. C. Meredith.

Kohn & Vanetta, additional st'y, 217-223 State St.; cost, $5,000.

H. H. Kohlsatt, barn, 106 Thirtieth St.; cost, $5,-000.

Cincinnati.

Building Permits. — U. S. Bung M'f'g Co., three-st'y brick dwell., cor. Evans and Eighth Sts.; cost, $6,000.

John Schulte, three-and-a-half-st'y brick dwell., cor. Coleman and Garden Sts.; cost, $5,000.

Mrs. Corey, addition, cor. Eighth and Walnut Sts.; cost, $2,800.

Gust Tofel, 2 two-and-one-half-st'y brick dwells., cor. Brown and Turn-Table Sts.; cost, $3,500.

Mrs. J. B. Gibson, two-st'y double brick dwell., cor. Saunders and Auburn Sts.; cost, $7,500.

Chas. Rosenthal, three-st'y brick dwell., cor. Hoen and Abigail Sts.; cost, $3,500.

B. Heithhaus, two-st'y brick dwell., cor. Madison Pike and Woodburn Ave.; cost, $3,500.

Geo. Edwards, three-st'y brick dwell., cor. Poplar and Dalton Aves.; cost, $3,500.

Total cost to date, $205,711.

Cost of 14 repairs, $5,425.

Total permits, 5,503.

Kansas City, Mo.

Building Permits. — J. R. Hartzell, 5 frame houses, East Seventeenth St.; cost, $14,000.

Wm. Burke, frame block, Forest Ave.; cost, $10,-000.

A. E. Phillips, brick house, Independence Ave.; cost, $10,000.

B. S. Hayes, brick house, cor. Eighteenth and Woodland Ave.; cost, $9,000.

W. Campbell, brick block, East Sixteenth St.; cost, $5,000.

J. C. Morse, brick block, Campbell St.; cost, $12,-000.

Daniel G. Hewitt, brick block, Harrison St.; cost, $7,500.

Martin E. Tomlinson, brick block, Harrison St.; cost, $7,500.

F. Duncan, brick house, Dundee Pl.; cost, $3,000.

Producer's Marble Co., store, cor. Eighth and Mulberry Sts.; cost, $17,000.

M. A. Crathorne, frame store, 1609 East Eighteenth St.; cost, $3,000.

James Spencer, frame block, Tracy Ave.; cost, $7,000.

B. S. Hayes, brick house, cor. Eighth and Woodland Aves., cost, $9,000.

H. M. Kirkpatrick, brick block, 1317 and 1319 East Eighth St.; cost, $9,000.

S. H. Beverforden, brick block, Campbell St.; cost, $14,000.

Isaac Whittaker, store, 1214 Grand Ave.; cost, $17,000.

Yeager & Forbes, brick store and dwell., Grand Ave.; cost, $17,000.

Irving Queal, brick block, East Fifteenth St.; cost; $15,000.

D. P. McMahan, block, 1305, 1307 and 1309 Penn St.; cost, $15,000.

Carl Spangler, brick barn, Forest Ave.; cost, $2,-000.

J. L. Nofsinger, frame house, East Eighth St.; cost, $3,000.

Smith & Ginn, brick house, Wabash Ave.; cost, $5,000.

James McCollum, frame block, Olive St.; cost $5,-500.

T. H. Edwards, frame block, Park Ave.; cost, $5,-500.

George Ginn, frame house, Park Ave.; cost, $3,-000.

Wm. West, brick house, Wabash Ave.; cost, $5,000; brick block, cor. Olive and Independence Aves.; cost, $11,000; brick block, Wabash Ave.; cost, $20,000.

J. C. Morse, brick block, East Seventeenth St.; cost, $20,000.

J. G. Leist, brick house, Campbell St.; cost, $3,-000.

J. P. Nowham, brick house, Holmes St.; cost, $4,-000.

Mrs. S. H. Taylor, brick house, East Fourteenth St.; cost, $3,700.

William West, 9 frame houses, Olive St., bet. Sixth and Independence Aves.; cost, $16,000.

Minneapolis, Minn.

Building Permits. — N. H. Bolton, two-st'y wood dwell. and barn, s s Clarence Ave., bet. University and Orlin Aves., s; cost, $4,000.

L. Jepson, two-st'y wood dwell., s s East Twenty-seventh Ave., bet. Nicollet and First Aves., s; cost, $3,000.

Jno. Orth, two-st'y wood dwell., n e s Marshall St., bet. Eleventh and Thirteenth Aves., n e; cost, $5,000.

E. F. Bleeken, two-st'y wood dwell., s s Sixth Ave., bet. Royalston and Lyndale Aves., n; cost, $4,000.

G. A. Anderson, three-st'y brick store, e s Cedar Ave., bet. Fourth and Fifth Sts., s; cost, $16,000.

Jno. F. Wilcox, two-st'y wood factory, n e s Ramsey St., bet. Waverley and Eleventh Aves., n e; cost, 12,000.

Wm. Grimshaw, two-st'y brick store and offices, s w s Fourth St., bet. Nicollet and First Aves., s; cost, $3,000.

State University, three-st'y stone and brick State University Mechanical Building, University Campus; cost, $50,000.

New Haven.

Building Permits. — Following are the permits issued since my last report: —

Lloyd St., two-st'y frame dwell., 20′ 5″ x 40′; owner, Patrick Falsey.

Congress Ave., near Arch St., 2 two-st'y frame dwells.; cost, $4,000; owner, C. A. Moeller.

River St., near East Pearl, three-st'y brick and stone building, gravel roof; 40′ x 48′; cost, $5,000; owner, Quinnipiac Brewing Co.; architect, L. W. Robinson.

Cedar St., two-st'y frame dwell., 20′ x 30′; owner, A. C. Smith.

Beers St., 2 two-st'y frame dwells., 25′ x 50′; owner, T. J. Ackerman.

State St., four-st'y brick and stone business building, store and three flats, 18′ x 69′; cost, $10,000; owner, John L. Disbrow; builders, L. V. Treat & Sons.

Blatchley Ave., two-st'y frame dwell., 23′ x 40′; owner, Hubert E. Warner.

Wallace St., raise brick factory building, one-st'y, 32′ x 125′; owners, Sargent & Co.

Elm St., two-st'y frame dwells.; cost, $3,000; owner, Mrs. L. J. Smith; builder, N. Countryman.

Crown St., four-st'y brick and stone store, tin roof, 34′ x 71′; cost, $10,000; owner, George E. Hoadley; architect, David R. Brown.

The Quinnipiac Brewery, recently destroyed by fire, will soon be replaced by a new $50,000 brewery.

New York.

Building Permits.—*One Hundred and Forty-eighth St.*, n s, 200′ w Morris Ave., three-st'y brick tenement, flat tin roof; cost, $9,000; owner, Anna Weincke, 469 One Hundred and Forty-eighth St.; architects, Schmidt & Garvin, 28 Church St.

One Hundred and Eighteenth St., s s, 90′ e Fourth Ave., 2 five-st'y brick tenements, flat tin roof; cost, $36,000; owner, Simon Haberman, Belleville, N. J.; architect, John Brandi, 1491 Third Ave.

East One Hundred and Forty-third St., No. 737, two-st'y and basement brick dwell., flat tin roof; cost, $4,500; owner, Matthew Hicks, 349 East Twelfth St.; architect, Daniel Ryan, 778 Sixth Ave.

Forty-fourth St., s s, 100′ w Eleventh Ave., one-st'y brick storage, flat tin roof; cost, $3,000; owner, Elias. S. Higgins, 137 Fifth Ave.; architect, Wm. Paul, 269 West One Hundred and Twenty-fifth St.

Lexington Ave., Nos. 585 *and* 587, e s, bet. Fifty-first and Fifty-second Sts., 2 five-st'y tenements, brown-stone fronts, flat tin roofs; cost, $80,000; owner, Rudolph Bohm, 270 Grand St.; architect, Wm. Graul, 12 Stanton St.

Ninth Ave., e s, com. s e cor. Fifty-sixth St., 4 five-st'y brick flats, flat tin roof; cost, $140,000; owners, Lesser & Michael Steinhart, 740 Lexington Ave.; architect, Geo. B. Pelham, 56 Wall St.

West Fifty-sixth St., 70′ e Ninth Ave., five-st'y flat, flat tin roof; cost, $50,000; owners, Lesser & Michael Steinhart, 740 Lexington Ave.; architect, George B. Pelham, 56 Wall St.

One Hundred and Twenty-fifth St., n s, 25′ e Second Ave., 5 five-st'y brick tenements, flat tin roofs; cost, $75,000; owner, John Livingston, 130 East Seventy-first St.; architect, F. T. Camp, 60 Liberty St.

Second Ave., n e cor. One Hundred and Twenty-fifth St., five-st'y tenement, flat tin roof; cost, $18,-500; owner, John Livingston, 130 East Seventy-first St.; architect, F. T. Camp, 60 Liberty St.

Ninth Ave., e s, 59′ 5″ n One Hundredth St., five-st'y brick tenement, flat tin roof; cost, $11,000; owner, S. E. Hinman, 243 West One Hundred and Thirty-first St., architect, J. H. Valentine, 108 East One Hundred and Twenty-fifth St.

Ninth Ave., e s, 27′ s One Hundred and First St., 3 five-st'y tenements, flat tin roofs; cost, $30,000; owner, R. Havanagh, 183′ East Sixty-fourth St.; architect, J. H. Valentine, 108 East One Hundred and Twenty-fifth St.

One Hundred and Twenty-ninth St., s s, 280′ e Fourth Ave., five-st'y brick tenement, flat tin roof; cost, $19,000; three-st'y brick building, flat tin roof; cost, $6,000; owner, Theo. Dreterien, 41 West One Hundred and Twenty-seventh St.; architects, Cleverdon & Putzell, 110 East One Hundred and Twenty-fifth St.

Brook Ave., s w cor. One Hundred and Thirty-first St., two-st'y brick building, flat tin roof; cost, $6,-000; owners, Gas Engine & Power Co., 132 Church St.; architects, D. & J. Jardine, 1262 Broadway.

One Hundred and Twenty-second St., n s, 109′ 6″ e Second Ave., two-st'y brick building, flat felt and asphalt roof; cost, $6,000; owner, William Sinclair, 323 East One Hundred and Twenty-second St.; architect, Charles Baxter, 108 East One Hundred and Twenty-fifth St.

Rivington St., Nos. 259 *and* 261, 2 five-st'y brick tenements, flat tin roof; cost, $16,000; owner, John A. Derasimer, 114′ East Twenty-fifth St., architects, Berger & Baylies, 52 Bible House.

Jane St., Nos. 158 *and* 160, 2 three-st'y brick buildings, flat tin roofs; cost, $8,000; owner, John S. McLean, 7 East Sixty-third St.; architect, Charles E. Hadden, 102 South Fifth Ave.

Church St., s cor. Webster Lane, three-st'y and basement brick and wood dwell., mansard roof; cost, $4,000; owner, Peter Murray, King's Bridge; architect, George Raynor, Yonkers, N. Y.

Eighth Ave., w s, 75′ w One Hundred and Forty-fourth St., five-st'y tenement, brick and brownstone trimming, flat tin roof; cost, $20,000; owner, Fred'k Stetler, 51 Palisade Ave.; architect, R. H. Rowden, 777 Broad St., Newark, N. J.

Alterations.—*Fifth Ave.*, w s, Fifty-eighth to Fifty-ninth St., eight-st'y brick building, brick and stone front, addition; cost, $40,000; owners, Phyfe & Campbell, Fifth Ave., w s, Fifty-eighth to Fifty-ninth St.; architect, Geo. W. Da Cunha, 32 Liberty St.

Tenth Ave., Nos. 362 *and* 364, five-st'y brick tenement, internal alterations and repairs; cost, $5,000; owner, Geo. Wendleker, n w cor. Twenty-fourth and Broadway; architect, William Haw, 51 East One Hundred and Thirty-second St.

Greenwich St., Nos. 393 *to* 397, five-st'y brick storage building, internal alterations; cost, $13,000; owners, F. C. Linde & Co., cor. Laight and Vaucker Sts.; carpenter, Geo. A. Banta, 326 and 328 West Twenty-first St.

Washington Pl., No. 25, four-st'y brick dwell., to be raised 5′, internal alterations; cost, $4,000; owner, Jose De Navarro, 25 Washington Pl.; architect, Hubert, Pirsson & Co., 19 East Twenty-eighth St.

Ninety-third St., s s Eighty-fifth St.; w Second Ave., five-st'y brick storage building, internal alterations; cost, $10,000; owner, George Ehret, s e cor. Ninety-fourth St. and Fourth Ave.; architects, A. Pfeund & Son, 232 West Thirty-sixth St.

Nassau St., Nos. 75 *and* 77, four-st'y and attic brick office building, internal alterations and repairs, flat tin roof; cost, $10,000; owner, C. F. Kingsland, Tarrytown, N. Y.; architect, Alfred E. Barlow, 149 Broadway.

Philadelphia.

Building Permits.—*Ninth St.*, n w cor. Girard Ave., market-house, 190′ x 198′; Jas. B. Doyle, contractor.

Twenty-fifth St., s w cor. Montgomery Ave., one-st'y church; Jno. M. Anderson, contractor.

Frankford Road, cor. Ontario St., two-st'y stable, 18′ x 32′, H. L. Leavitt, contractor.

Church St., cor. Lackawana, St., two-st'y building, 25′ x 43′; J. P. Yerkes, contractor.

Geister St., n w cor. Thompson St., three-st'y factory, 40′ x 75′; Judge & Co., contractors.

Charles St., w Thirty-seventh St., 4 three-st'y dwells.; Thomas Bodman, owner.

Lehigh Ave., w Twelfth St., 2 three-st'y dwells.; Frederick Woelfel, owner.

Tulpenhocken St., e Germantown Road, 2 two-st'y storehouses; Thos. W. Wright & Son, contractors.

Copsal St., above Morton St., 2 two-st'y dwells.; T. W. Wright, owner.

Twenty-first St., s Norris St., 9 three-st'y dwells.; P. A. B. Widener, owner.

St. Mark's Pl., w Sixteenth St., 22 two-st'y dwells.; J. J. Williams, owner.

Cherry St., w Tenth St., three-st'y factory, 35′ x 68′; Frank Tweed, contractor.

Lynn St., w Twenty-second St., six-st'y warehouse, 33′ x 65′; Frank Tweed, contractor.

Front St., s e cor. Bainbridge St., three-st'y office; Harrison, Havemeyer & Co., owners.

Oxford St., w Twenty-second St., 2 two-st'y dwells.; Robert Paul, owner.

Hancock St., cor. Harris St., 2 three-st'y dwells.; Jno. Spreckley, owner.

Front St., n Callowhill St., four-st'y store, W. F. Cook, contractor.

Fifty-seventh St., e Vine St., 2 two-st'y dwells.; A. A. Anderson, owner.

Nineteenth St., cor. Montgomery Ave., two-st'y boiler-house and drying room; Chas. Longcope, contractor.

Tenth St., cor. Westmoreland Ave., 2 two-st'y dwells.; Wm. Garvin owner.

Baltimore Ave., cor. Forty-first St., addition to church; D. C. Schuler, contractor.

Germantown Ave., No. 2630, three-st'y dwell.; Jos. Parks, contractor.

~~*Lehigh Ave.*, e Eighth St., 9 three-st'y dwells.; M. L. Heish, owner~~

Lehigh Ave., e Eighth St., 2 two-st'y dwells.; M. L. Heish, owner.

Seventh St., above Girard Ave., three-st'y dwell. G. B. McDowell, contractor.

St. Louis.

Building Permits.—Fifty-one permits have been issued since our last report, twenty-three of which are for unimportant frame houses. Of the rest, those worth $2,500 and over are as follows:—

Geo. Beinhardt, 3 adjacent two-st'y brick tenements; cost, $7,000; J. C. Hucker, contractor.

N. Pelligreen, two-st'y double brick dwell.; cost, $3,200; N. Pilligreen, contractor.

James O'Brien, 2 adjacent two-st'y brick dwells.; cost, $4,300; T. J. Kelly & Co. contractors.

F. Julian, two-st'y brick flat; cost, $3,000; W. Merrill, contractor.

F. Breitshied, two-st'y brick dwell.; cost, $2,800; Volke & Tache, contractor.

Geo. Ande, two-st'y brick store and tenement; cost, $5,500; F. Müeller, contractor.

W. C. Walls, 2 adjacent two-st'y brick dwells.; cost, $6,000; J. B. Legg, architect; sub-let.

F. Julz, 2 adjacent two-st'y brick dwells.; cost, $5,000; J. J. McMahon, contractor.

O. O. Todd, 2 adjacent two-st'y brick dwells.; cost, $7,777; J. W. Barnes, contractor.

Jos. Epstein, 2 adjacent, two-st'y brick dwells.; cost, $4,200; Wm. Damon, contractor.

T. T. Watts, two-st'y brick dwell.; cost, $3,000; C. C. Holmers, architect; sub-let.

Washington D. C.

Building Permits. — Peter McCartney, 6 two-st'y brick buildings, Pennsylvania Ave., between Twenty-fourth and Twenty-fifth Sts., n w; cost, $9,000.

National Union Ins. Co., 6 two-st'y brick dwells., Valley St., bet. Stoddard and Road Sts., n w; cost, $10,500.

J. H. Merriweather, three-st'y brick dwell., Thirteenth St., bet. S and T Sts., n w; cost, $4,000.

W. Clarence Duvail, 3 three-st'y brick dwells., M St., bet. Eighteenth and Nineteenth Sts., n w; cost, $21,500; C. C. Martin, builder.

M. A. Montgomery, 3 two-st'y brick dwells., Thirteenth St., bet. W and Boundary Sts., n w; cost, $6,-000.

M. A. McGowan, 3 two-st'y brick dwells., N St., bet. Thirty-second and Thirty-third Sts., n w; cost, $6,000.

S. E. Lewis, 3 three-st'y brick dwells., P St., bet. Fourteenth and Fifteenth Sts., n w; cost, 11,000; N. W. Poindexter, architect; W. C. Monson, builder.

HEMLOCK TIMBER.

ERICAN ARCHITECT: —

pronounce as to the truth of the as- timber in houses is apt to subject or bed-bugs? Your dictum on this ur paper, will oblige,

Respectfully, T. C. K.

are peculiar to hemlock more than to believe that architects need hesitate to But we do know that the insect is, so to sarily an adjunct of civilization, since n force in the new hut of a mining en- and the cleanliness of whose luggage case, the hut was builti n part of logs ARCHITECT.]

D CLIPPINGS.

ar, London, is to be reërected in Bat- Company. The Albert Palace is a us to the park.

the new Physiological Museum, which is reported that the eminent scien- versity, motto, "*Deus illuminatio mea*,"

CATHEDRAL OF GRAZ, STYRIA. — A workmen engaged in restoring the of Styria. It was simply walled up p who died in 1570, and is in excel- he crowning with thorns. The colors es admirably drawn. The date is *rk Commercial Advertiser.*

RLAND TUNNEL. — Experts who were onnecting Prince Edward Island with umberland Straits have reported fa- gin. Senator Howland, who originated nts with the government for a subsidy. er. superintend the work, in con- tely for New York, to make of that city who are taking

ispute has arisen between the Bridge- nd the Bridgeport Paper Company, imney which both have jointly used pany wish to pull down the chimney unday they began to pull it down, but signed by Judge Granger, of the Supe- claim that they cannot do without a s more than 40,000 people depend water. — *Scientific American.*

n account of the operations connected n the desert tracts of southern Tunis e Lesseps at a meeting of the French rs ago he visited the region of the e observed on the banks of the Wady of water never sinks. The water of ferred that the source of the supply water. He therefore requested the to sink a well at that spot. Success h of ninety-one metres the suspected flood rushed from the ground with it stones weighing twelve kilograms, at into the air. This well yields eight er minute.—*Exchange.*

SHRUBS. — So partial are owners of and shrubs in the spring, that it appears at the best time in the whole year for and shrubbery is the autumn. Ever- most successfully planted in Septem- trees and shrubs from early in the ily speaking, planting operations can ntage in the autumn than in the spring. the work, the ground is invariably in make new roots before the winter is far e to make good progress from the mo- growth in the spring. The fact should the work is not commenced until after onsiderable risk of its being delayed by soil till late in the spring, with the re- fer severely when the weather is either . It will perhaps be useful to mention in the spring than in the autumn, and to the production of new roots by trees it is also worthy of note that at the nur- have a much greater choice than those pring, for the quarters are then much sary in the case of fruit trees to buy in l oc ce for the greater proportion be s t before the winter is far ad-

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

TRADE REVIEW.

THE slight falling off in the demand for building material during the past thirty days has been due to two or three evident and reasonable causes, viz., the approaching completion of building operations, the decline in the number of new enterprises to be prosecuted this season, and the slight increase in prices in certain lines of building material. Taking the building-material market all through, however, there has been no advance, because there has not been the necessary increase in demand. It is generally conceded that fair activity will be maintained throughout the winter, but it is evident that builders are not anticipating probable requirements. The industrial situation has materially improved since September 1. Manufacturers are generally well employed — not only manufacturers of the cruder forms of material, but those of finished and construction work. Many manufacturers have done more work this year than last, while in some branches less has been done, but a correct appreciation of the developing tastes and requirements of the public seldom results in a decrease of work. A slight improvement in prices would be generally favorably regarded, for the greater confidence they would create, because of the presumed expansion of demand, based upon an enlarging consumptive capacity and purchasing ability of the country. Lumber of all kinds is in abundant supply, especially the hard woods, and a comparison of prices with former months exhibits but little variation, due doubtless to the observed fact that competition has accomplished its full work in the adjustment of prices to demand. The hard-wood supply has been increased with the increased consumption. New sources have been opened and much interest is exhibited by purchasers of valuable timber tracts for future reliance, in sections of country recently penetrated by railroad extensions. Yellow and white pine and spruce have reached a very low and barely remunerative level. Walnut, oak and cherry of good qualities are firm in price though margins are narrow.

The iron trade has advanced one step toward remunerative prices. Nails are $2.25 to $2.30 at Pennsylvania mills, and are scarce, owing to the dependence of Western consumers on Eastern sources of supply, because of the strike which has been in existence since June first, restricting production about 60 per cent. Sheet-iron has advanced and mills are well supplied with orders. Merchant iron is selling at 1½ to 1¾ mill price. Refined cast steel is 8½ to 9 cents. The rapid progress made in the building of new steel works points to a reduction in prices next year. The receipts of tin-plates in the four ports — Boston, New York, Philadelphia and Baltimore — since January first have been 2,714,360 boxes; Russia sheet-iron, 16,191 packages; steel and iron rods, 60,000 tons in round numbers. The bridge builders and structural iron manufacturers have had their capacity fully employed for three months, and prospective requirements point to an active winter under low prices. The leading manufacturers of ranges and stoves have put fully as much stock on the market this year as last. Those who have not, represent less popular makes and styles. The slate interests complain of sluggish demand and destructive competition. The manufacturers of gas-engines find that profits have been curtailed under the competition of the many aspirants for the trade, which from good sources it is known are steadily growing in number. The supply of various roofing materials has been considerably increased this year, and current prices show those products have been no exception to the rule which has affected all products. The manufacturers of wood-working machinery have produced as much machinery in value as during any year. Certain makers report an increase varying from 10 to 25 per cent, but at prices varying from 5 to 15 per cent less than last year. Brick, lime, cement, etc., have fluctuated somewhat during the season, due to ordinary market influences. The development of architecture has stimulated manufacturers of building material to furnish better material in many branches of that expanding industry. Among these may be mentioned that of fire-proof material, the demand for which has assumed very large proportions. The coming winter will probably be one of fair activity. Manufacturers will probably depart a little from their policy of extreme caution and will produce supplies more liberally, in view of an expected improving demand.

BUILDING PATENTS.

[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

328,451. SAFETY-VALVE. — Joseph Barbe, Saint-Amand, Nord, France.
328,473. PENCIL-SHARPENER. — Eugene Fitch, Des Moines, Ia.
328,479. WEATHER-STRIP. — Solomon Funk, Spirit Lake, Ia.
328,483. REFRIGERATOR-BUILDING. — Joseph F. Hanrahan, Ottawa, Ontario, Can.
328,509. BUSH-HAMMER. — August Nelson, Kent, O.
328,549. FAN FOR VENTILATING MINES, ETC. — William Viggers, Des Moines, Ia.
328,550. COMBINED ANVIL, VISE AND DRILL. — Reuben Vosburgh, Oregon, Ill.
328,563. SASH-BALANCE. — Daniel E. Beverstein, Middlebury, Ind.
328,587. FEED-WATER HEATER. — Sam'l R. Hughes, Benton Harbor, Mich.
328,589. PAINT-SOLVENT. — Joseph Kotrba, St. Louis, Mo.
328,601. PIPE-WRENCH. — George F. Newell, Boston, Mass.
328,614. HYDRAULIC ELEVATOR. — George H. Reynolds, New York, N. Y.
328,636. FIRE-ESCAPE STEP-ROD ATTACHMENT. — William H. Barr, Conway, Mo.
328,637. FIRE-ESCAPE. — William H. Barr, Grove Spring, Mo.
328,643. MIXED PAINT. — Louis Brown, Rye, N. Y.
328,644. POWDER FOR ROOFING AND OTHER PURPOSES. — Louis Brown, Rye, N. Y.
328,645. CALCIMINE COMPOUND. — Sam'l U. Brunck and George A. Marsh, Sandusky, O.
328,648. BRACE-CHUCK. — John Chantrell, Bridgeport, Conn.
328,649. BIT-BRACE. — John Chantrell, Bridgeport, Conn.
328,661. WEATHER-BOARDING GAUGE. — Camillus Dunbar, Glenwood, and James A. Rector, Lancaster, Mo.
328,665. LEVELING-INSTRUMENT. — Abraham G. W. Foster, Newnan, Ga.
328,666. PAINT-REMOVER. — Frank P. Foster, Milwaukee, Wis.
328,668. PARALLEL AND RADIAL RULER AND LINEAR SPACER. — Chas. S. Gooding, Boston, Mass.
328,691. ADJUSTABLE WINDOW-SCREEN. — Forest M. Lampson and George W. Hogben, Ripon, Wis.
328,722. TRANSOM-LIFTER. — John H. Shaw, New Haven, Conn.
328,725. KEY-FASTENER. — Ambrose W. Sigerson, Burlington, Io.
328,763. LATCH. — Knud Clementsen, Chicago, Ill.
328,778-779. ERASIVE RUBBER. — Francis H. Holton, Brooklyn, N. Y.
328,793. LUMBER-WAGON. — William Leonhardt and John H. Leonhardt, Waverly, Md.
328,794. PLANING AND RESAWING MACHINE. — George Lhote, New Orleans, La.
328,809. HOT-AIR STOVE. — Richard A. Rew, Pomeroy, Wash.
328,814. DOOR-SILL. — Allison M. Roscoe, Du Bois, Pa.
328,818. SYSTEM OF VENTILATION. — Thomas J. Simpson, Worthington, Minn.
328,820. SAFETY-GATE FOR ELEVATORS. — Charles Sorber, St. Louis, Mo.
328,857. MIXED PAINT. — Charles Miller, Ingersoll, Ontario, Can.
328,858. DRIVEN-WELL POINT. — William C. Nye, Bradford, Pa.
328,873. TANK VALVE AND LEVER. — Jas. E. Boyle, Brooklyn, N. Y.
328,875. LATCH-LOCK. — Sam'l W. Budd, Philadelphia, Pa.
328,900. DOOR. — Jonah W. Moyer, Philadelphia, Pa.

SUMMARY OF THE WEEK.

Baltimore.

BUILDING PERMITS. — Since our last report twenty-five permits have been granted, the more important of which are the following: —

A. Mahone, 2 three-st'y brick buildings, w s Mount St., n of Patterson Ave.

Joshua Regester & Sons, four-st'y brick building, e s Halliday St., cor. Saratoga St.

M. I. Bonney, three-st'y brick building, e s Broadway, n of Monument St.

M. Burk, 6 two-st'y brick buildings, e s Harman Alley, s of Randall St.

D. Wingrove, three-st'y brick building, w s Williams St., n w cor. Montgomery St.

John Snyder, 3 three-st'y brick buildings, n s Fairmount Ave., commencing n w cor. Patterson Park Ave.

S. S. Clayton, three-st'y brick building, s s Courthouse Lane, between St. Paul and Calvert Sts.

Chew Snebley, four-st'y brick building, e s Courtland St., between Lexington and Saratoga Sts.

Louis Aidt, 2 three-st'y brick buildings, n s St. Mary's St., between Druid Hill Ave. and Penn Alley.

Frederick Stamp, 6 three-st'y brick buildings, commencing s w cor. McCulloh and Laurens Sts.; and 3 three-st'y brick buildings, s s Laurens St., e of McCulloh St.

Boston.

BUILDING PERMITS. — *Auburn St. No.* 47, dwell., 20' x 28'; owner, Horatio M. Arens; builder, John B. Lord.

Washington St., near Centre St., mercantile, 15' x 18'; owner, Chas. S. Gage; builder, Charles Stinson.

Whitney St., No. 29, mechanical, 15' x 16'; owner, William Gately.

Carolina Ave., near South St., dwell., 21' x 32'; owner, J. M. Fallon; builder, W. S. Mitchell.

Maple St., near Centre St., dwell., 22' x 32'; owner, Mrs. E. Wentworth; builder, W. S. Mitchell.

Bodwell St., near Columbia St., dwell., 23' 6" x 30'; owner, Weston Lewis, builder, John Horsford.

Sheridan Ave., near Chestnut Ave., dwell., 20' x 40'; owner and builder, John Seales.

Swett St., near N. Y. & N. E. R. R., storage, 35' x 75'; owner, Bradley Fertilizer Co.; C. Tilden, Jr.

Rand St., No. 111, dwell., 22' x 43'; owner, Mrs. Ann Fallon; builder, Pinkham Russell.

Washburn St., near Dorchester Ave., dwell., 20' x 36'; owner, N. F. Snow; builder, C. E. Snow.

Elm St., near Breed St., dwell., 20' x 27'; owner, N. F. Snow; builder, Charles Watley.

Auckland St., near Savin Hill Ave., dwell., 22' x 34'; owner, Mrs. Annie Bass; builder, John Bass.

Dorchester Ave., No. 1452, storage, 18' 9" x 39' 9"; owner, Mary A. Godfrey; builder, Wm. Northrop.

Brooklyn.

BUILDING PERMITS. — *Sixth Ave.*, w s, 50' n Twenty-fifth St., 3 three-st'y frame tenements, tin roofs; cost, $3,500; owner and builder, Joseph Hopkins, 54 Schaeffer St.

Macon St., s s, 100' w Nostrand Ave., 6 three-st'y brick dwells., gravel roofs; cost, each, $3,000; owner, Wm. O. Thompson, 135 Lefferts Pl.; architect, O. D. Thompson.

Bushwick Ave., e s, 80' n Vanderveer St., two-st'y (brick-filled) dwell., tin roof; cost, $3,200; owner, F. Steinbacher, on premises; architect, H. Vollweiler; builder, J. Rueger.

India St., Nos. 77, 77½ *and* 79, n s, 200' e Franklin St., 3 three-st'y frame (brick-filled) dwells., gravel roofs; cost, $8,300; owner, James Brown, 81 India St.; architect, J. Dennin; builders, Port & Walker.

Reid Ave., e s, between Decatur and McDonough Sts., 8 four-st'y brick tenements, tin roofs; cost, each, $9,000; owner, architect and builder, H. Grassman, 364 Vernon Ave.

McDougal St., s s, 381' 3" e Hopkinson Ave., three-st'y brick tenement, tin roof; cost, $3,000; owner and architect, Gottlieb Baur, 86 McDougal St.; mason, C. Baur, contractor, not selected.

North Eighth St., s s, 235' w First St., eight-st'y and cellar brick sugar-refinery, gravel roof; cost, $30,000; owners, Dick & Meyers, South Ninth St., cor. Eighth St.

Willoughby Ave., n s, 100' e Kent Ave., 2 two-st'y brick dwells., tin roofs; cost, $4,000; owner and builder, Geo. Brawley, 250 Steuben St.; architect, G. E. Hawkins.

Melrose St., No. 22, n w s, 250' from Evergreen Ave., towards Central Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $3,400; owner, Adam Loeffler, on premises; architect, E. Schrempf; builder, J. Schneider.

Sixth St., w s, 50' n Division Ave., 2 four-st'y brick tenements, tin roofs; cost, each, $12,000; owner and architect, E. F. Gaylor, 66 Broadway; builder, Thos. Gibbons.

Madison St., n s, 300' e Ralph Ave., 2 two-st'y brick flats, tin roofs; cost, $12,000; owner, Austin Demill, Ralph Ave.; architect, F. Holmberg; builder, F. Stemler.

President St., No. 106, s s, 175' e Columbia St., four-st'y brick tenement, tin roof; cost, $8,000; owner, Daniel Bayha, President St., cor. Columbia St.; architect, C. Werner; builders, O. Nolan and J. Lee.

Norman Ave., n s, 73' w Lorimer St., 3 three-st'y frame (brick-filled) tenements, gravel roofs; cost, each, $2,500; owner, architect and contractor, S. W. Randall, 572 Lorimer St.; builders, I. & J. Van Riper.

Gothic Alley, s s, 70' e Adams St., four-st'y brick tenement, tin roof; cost, $7,500; owner, E. D. Phelps, 336 Fulton St.; architect, M. J. Morrill; builders, J. Carlin and Morris & Selover.

Boerum St., n s, about 258' e Old Bushwick Ave., two-st'y frame (brick-filled) tenement, tin roof; cost, about $3,000; owner, Jacob Klein, 529 Bushwick Ave.; architect, F. J. Berlenbach, Jr.; builder, not selected.

North Portland Ave., e s, 71' n Park Ave., 3 four-st'y brick tenements, gravel roofs; cost, each, $7,000; owner, John G. Richardson, De Kalb Ave.; architect, M. J. Morrill; builders, P. J. Carlin and Long & Barnes.

Lafayette Ave., No. 340, s s, 225' e Grand Ave., three-st'y dwell., tin roof; cost, $10,000; owner, John Holsten, 221 Hooper St.; architect, Th. Engelhardt; builder, H. L. Antonius.

Dykeman St., n s, 100' e Conover St., 2 four-st'y brick tenements, tin roofs; cost, each, $14,500; owners, Messrs. Burtis & Betts, on premises; architect, Mr. Galvary; builders, M. Gibbons & Son.

Melrose St., n s, 250' w Knickerbocker Ave., three-st'y frame store and tenement, tin roof; cost, $4,000; owner, Joseph Abt, Melrose St.; architect, G. Hillenbrand; builder, C. Gessman.

ALTERATIONS. — *Waverly Ave.*, w s, 376' n Myrtle Ave., building, flat tin roof, interior alterations; cost, $12,000; owner and builder, J. Gordon, 374 Clermont Ave.; architect, R. Dixon.

Chicago.

BUILDING PERMITS. — Vulcan Iron Works, four-st'y addition, 88-94 Clinton St.; cost, $10,000.

N. S. Jones, three-st'y dwell., 88 Bellevue Pl.; cost, $75,000.

J. M. Oliver, two-st'y flat, 678-680 Austin Ave.; cost, $4,000.

L. D. Huesner, two-st'y dwell., 3662 Wabash Ave.; cost, $3,500.

W. H. Hoyt, 7 four-st'y dwells., cor. Pine and Ohio Sts.; cost, $50,000.

P. E. Hamm, two-st'y dwell., 1179 Jackson St.; cost, $3,500.

W. E. Mason, two-st'y dwell., 132 Walnut St.; cost, $3,500.

H. Anderson, two-st'y flats, 671 Thirty-seventh St.; cost, $2,500.

Agar & Marshall, 6 three-st'y dwells., 168-178 Seminary Ave.; cost, $20,000; architect, S. Piggott.

Estate W. J. Johnson, 2 four-st'y stores and dwells., 205-207 Chicago Ave.; cost, $15,000.

H. Lemke, three-st'y dwell., 1024 West Harrison St.; cost, $4,500.

J. Lardner, two-st'y dwell., 209 Loomis St.; cost, $3,000.

E. Smith, two-st'y dwell., 299 Loomis St.; cost, $8,500; architect, W. Strippelman.

J. Sullivan, three-st'y flats, 310 Desplaines St.; cost, $3,500.

C. LaBerge, three-st'y flat, 107 Sibley St.; cost, $3,000.

The Chicago Art Institute, four-st'y art institute, cor. Van Buren St. and Michigan Ave.; cost, $100,000; architects, Burnham & Root; builders, J. Barker & Son.

Miss M. Henderson, two-st'y flats, 1112 Washington Boulevard; cost, $5,000.

Oct 31, 1885

T. Kirkwood, two-st'y dwell., 859 Washington Boulevard; cost, $4,500.

J. F. Ewing, 3 cottages, West Thirteenth St.; cost, $2,500.

D. F. Bacon, 2 two-st'y dwells., 147-149 Thirty-third St.; cost, $8,000.

G. M. Hull, two-st'y dwell., 237 Leavitt St.; cost, $6,000.

A. McCullough, bakery, 1809-1811 State St.; cost, $2,500.

Mrs. A. J. Davis, two-st'y dwell., 276 Irving St.; cost, $4,000.

M. Schmidt, three-st'y store and dwell., 2250 State St.; cost, $10,000.

E. S. Pike, three-st'y store and flats, 2330-2332 State St.; cost, $16,000.

E. Crowhurst, two-st'y store and dwell., 1037 Elston Ave.; cost, $2,500.

O. Burmeister, three-st'y store and dwell., 133-135 Olybourne Ave.; cost, $8,000.

G. Bloom, two-st'y dwell., 459 West Congress St.; cost, $4,500.

O. Carlson, three-st'y flats, 547 Erie St.; cost, $4,500.

Mrs. M. E. Sands, 5 two-st'y dwells., 845-855 West Jackson St.; cost, $10,000.

J. Pirce, two-st'y store and dwell., 639 Nineteenth St.; cost, $4,000.

W. H. Thomas & Son, 4 cottages, Hoyne Ave.; cost, $6,000.

F. J. F. Weinert, two-st'y dwell., 818 West Congress St.; cost, $4,400.

H. W. Coolidge, two-st'y dwell., 2917 Groveland Park Ave.; cost, $4,000.

E. H. Preston, three-st'y dwell., 19 Delaware Pl.; cost, $10,000; architects, Treat & Foltz.

Armour Memorial Building, mission building, cor. Thirty-third and Butterfield Sts.; cost, $60,000; architects, Burnham & Root; builders, Barney & Kodatz.

C. Stein, two-st'y dwell., 519 State St., cost, $2,500; architect, T. Karls.

W. Bansenbach, three-st'y store and dwell., 566 West Twelfth St.; cost, $8,000; architects, Furst & Rudolph.

G. N. Hull, 8 two-st'y dwells., Jackson St.; cost, $10,000.

W. S. Hall, additional st'y 407-411 Harrison St.; cost, $7,000.

E. E. Ayer, two-st'y store and dwell., 481 State St.; cost, $30,000.

W. Dargan, two-st'y dwell., 204 Racine Ave.; cost, $2,500; architect, W. Linderoth.

Sosman & Landis, two-st'y scenic studio building, 230-233 South Clinton St.; cost, $12,000.

G. P. Braun, two-st'y dwell., 174 Eugenie St.; cost, $8,000.

E. Bermann, two-st'y store and dwell., cor. Indiana and May Sts.; cost, $3,000.

Carter H. Harrison, 14 two-st'y dwells., 623-643 Flournoy St.; cost, $28,000.

Cincinnati.

Building Permits.—Dr. E. Williams, two-st'y frame dwell., cor. Boone and Madison Sts., Coreyville; cost, $3,500.

J. P. Cunningham, two-st'y brick dwell., 119 Colrain Ave.; cost, $2,500.

Jung Brew. Co., three-st'y brick dwell., cor. Coleman and Freeman Sts.; cost, $3,500.

Williams & Co., four-st'y brick dwell., Longworth St., near Elm St.; cost, $3,500.

Geo. W. McAlpin, addition to five-st'y stone-building, 119 West Third St.; cost, $4,200.

Last permit, 5513.

Cost of 5 repairs, $2,925.

Total cost to date, $225,836.

Kansas City, Mo.

Building Permits. — Charles E. Emery, house on East Tenth St.; cost, $8,000.

John J. Mastin, business block, 406 and 408 Main St.; cost, $3,500.

J. A. Swarthout, frame block, Forest Ave.; cost, $3,000.

Freeman Gates, frame house, East Eighteenth St.; cost, $5,000.

Stewart & Holmes, two-st'y brick stable, West Fourth St.; cost, $18,000.

Val Blatz, brick business building, cor. Levee and Walnut Sts.; cost, $7,500.

Minneapolis, Minn.

Building Permits. — R. H. Evans, two-st'y wood dwell., n e s Portland Ave., bet. East Twenty-sixth and East Twenty-seventh Sts., s; cost, $3,500.

Mrs. Holway, two-st'y stone dwell., s e cor. Fourth St. and Twenty-ninth Ave., n; cost, $4,000.

Mrs. Holway, two-st'y brick dwell., n e s Third St. and Twenty-eighth and Twenty-ninth Aves., n; cost, $4,000.

Mrs. Holway, two-st'y stone dwell., Third St., bet. Twenty-seventh and Twenty-eighth Aves., n; cost, $3,000.

Mrs. Holway, two-st'y stone dwell., e s Fourth St., bet. Twenty-eighth and Twenty-ninth Aves., n; $3,500.

Mrs. Holway, two-st'y stone dwell., w s Third St., bet. Twenty-seventh and Twenty-eighth Aves., n; cost, $3,000.

Mrs. A. D. Morgan, two-st'y brick veneer dwell., s s Forest Ave., bet. Lyndale and Lindley Aves.; cost, $3,500.

B. G. Cook & Co., five-st'y brick warehouse, n e s First St., bet. Seventh and Eighth Aves., n; cost, $33,000.

Mrs. J. W. Bardwell, two-st'y double wood dwells., s e Spruce Pl., bet. Fourteenth and Fifteenth Sts.; cost, $6,000.

Mrs. J. W. Bardwell, two-st'y wood dwell., n s Fifteenth St., bet. Nicollet Ave. and Spruce Pl.; cost, $6,000.

Geo. A. Salmon, two-st'y wood dwell., e s Higland Ave., bet. Oaklake addition; cost, $3,000.

Geo. A. Salmon, two-st'y wood dwell., e s Higland Ave., bet. Oaklake addition; cost, $3,000.

Geo. A. Salmon, two st'y wood dwell., e s Higland Ave., bet. Oaklake addition; cost, $3,000.

Jno. Brandt, two-st'y double wood dwell. and barn, w s Sixth Ave., bet. East Seventeenth and East Eighteenth Sts., s; cost, $6,000.

Jno. Greening, two-st'y wood dwell., n s Third Ave., bet. East Twenty-seventh and East Twenty-eighth Sts.; cost, $3,000.

Benj. F. Abbott, s e cor. Fifteenth Ave. and North Dupont Ave.; cost, $3,000.

James Carlisle, two-st'y wood dwell., e s Six-and-a-half Ave., bet. East Twentieth and East Twenty-second Sts.; cost, $3,000.

W. H. Gruff, two-st'y wood dwell., w s Second Ave., bet. East Twentieth and East Twenty-second Sts.; cost, $7,000.

Joseph Boswell, two-st'y wood dwell., e s First Ave., bet. East Twenty-eighth and East Twenty-ninth Sts.; cost, $4,500.

J. Koehl, two-st'y wood dwell. and barn, s e s Adams St. and Thirteenth Ave.; cost, $3,300.

F. E. Saunders, two-st'y wood dwell., w s First Ave., bet. East Thirty-first and East Thirty-second Sts.; cost, $3,000.

F. E. Saunders, two-st'y wood dwell., e s Nicollet Ave., bet. East Thirty-first and East Thirty-second Sts.; cost, $3,000.

W. H. Eustis, six-st'y brick office building, cor. Third St. and Fourth Ave., s; cost, $70,000.

J. L. Ballard, two-st'y wood dwell., w s First Ave., bet. East Thirty-first and East Thirty-second Sts., s; cost, $3,000.

New Haven.

Building Permits. — Following are the permits issued since my last report:—

Foote St., 2 two-st'y brick dwells., 23′ x 41′; cost, $4,000, owner, Jereniah Donovan.

East St., cor. State St., two-st'y brick store and tenement, 22′ x 39′; cost, $3,000; owner, Rose Maher.

Frank St., two-st'y frame store and dwell., 22′ x 40′; cost, $3,000, owner, Mrs. Ann McDonald.

Atwater St., cor. Pine St., 2 two-st'y frame dwells., 23′ x 37′; cost, $3,600; owner, J. W. Howland.

George St., near Temple St, brick building, 25′ x 54′; owner, N. H. Electric Lighting Co.

Whitley Ave., near Howe St., three-st'y brick building, mansard slate roof, 30′ x 50′; cost, $7,000; owner, Mrs. Ida L. Todd.

Admiral St., two-st'y frame dwell., 28′ x 40′; two-st'y frame barn, 18′ x 26′; cost, $3,500; owner, Chas. McFeetus.

New York.

Very little of interest has come up during the month, but after election it is anticipated that several matters may be decided that are now "hanging fire."

Bank.—A large bank building is to be erected at Nos. 34 and 36 Wall Street, in which the Gallatin National Bank will be interested.

Store.—A store on Fifth Ave., between Forty-first and Forty-second Sts., for Mr. Robert Graves is probably to be erected.

Flats.—Several flats of the ordinary style are likely to be started before the close of the season.

Building Permits. — *Third Ave., No.* 380, five-st'y brick tenement, flat tin roof; cost, $27,000; owner, Geo. R. Read, 19 Nassau St.; architect, O. Wirz, 405 East Sixty-fifth St.

West Seventieth St., No. 420, five-st'y brick tenement, flat tin roof; cost, $12,000; owner, Teresa V. and Annie E. Bannon, 205 West Thirty-sixth St.; architect, Joseph Wolf, 314 West Thirty-sixth St.

Washington Ave., w s, 220′ s One Hundred and Sixty-eighth St., one, two and basement st'y, brick and frame dwell., flat tin roof; cost, $3,000; owner, Jas. McMallen, 1331 Washington Ave.; architect, H. S. Baker, 492 East One Hundred and Thirty-eighth St.

West Forty-seventh St., No. 428, five-st'y brick tenement, flat tin roof; cost, $25,000; owner, Wm. Rankin, 253 West Fifty-first St.; architect, Geo. Keister, 347 West Forty-third St.

Seventh St., s s, 57′ e Ave. D, three-st'y brick dwell., flat tin roof; cost, $3,800; owner, Mrs. Muller, s e cor. Seventh St. and Ave. D; architect, William Shears, 118 East Thirty-ninth St.

Eighty-third St., n s, 250′ w Ave. A, 2 five-st'y brick tenements, flat tin roofs; cost, $36,000; owner, Ph. Brauder, 122 East Eighty-fifth St.; architect, John Brandt, 1491 Third Ave.

Seventy-first St., n s, 375′ w First Ave., 2 five-st'y brick tenements, flat tin roofs; cost, $30,000; owner, Jennie S. Macdonald, 1532 Park Ave.; architect, John Brandt, 1491 Third Ave.

Ninth Ave., s w cor. Sixty-eighth St., 5 five-st'y brick tenements, flat tin roofs; cost, $100,000; owners, John Borkel and Wm. McKenn, 10 Beekman St.; architects, Babcock & McAvoy, 64 College Pl.

Ninetieth St., s s, 100′ e Ninth Ave., 4 four-st'y brick dwells., brown-stone fronts, flat tin roofs; cost, $61,000; owners, Herman Hoefer, Fifty-fifth St. and Broadway, and Wm. E. D. Vincent, 326 West Forty-seventh St.; architects, Thom & Wilson, 1267 Broadway.

Madison Ave., n e cor. Seventy-eighth St., 5 four-st'y and basement brick dwells., brick and brown-stone fronts, mansard, tin, slate and fire-proofing block roof; cost, $145,000; owner, Anthony Mowbray, 104 East Eighty-fifth St.; architect, Wm. E. Mowbray, 13 East Sixty-third St.

One Hundred and Forty-fifth St., s s, 100′ e Willis Ave., 2 three-st'y brick dwells., flat tin roof; cost, $14,000; owner, Alexander Hiesbottern, 666 East One Hundred and Forty-fifth Street; architects, Schmidt & Garvin, 26 Church St.

Downing St., s s, 80′ e Bedford St., four-st'y and basement dwell., flat tin roof; cost, $5,000; owner, Francis Neppert, 390 Canal St.; architect, Andrew Spence, 2294 Third Ave.

One Hundred and Sixty-fourth St., n e cor. Cauldwell Ave., 3 two-st'y and attic brick and frame dwells., peak shingle roofs; cost, $10,500; owner, Geo. Faile, 916 Prospect Ave.; architect, Chas. P. H. Gilbert, 18 Broadway.

Ninety-fourth St., n s, 100′ e Tenth Ave., 9 three-st'y and basement dwells., brown-stone fronts; cost, $81,000; owners, Squire & Whipple, 111 Broadway; architect, Edward Chester Smith, 221 Washington Ave., Brooklyn.

Second Ave., e s, 75′ s Seventy-first St., five-st'y brick tenement, brown-stone front, flat tin roof; cost, $12,000; owner, Frederick R. Frech, Staten Island; architect, Fr. S. Barus, 469 North Third Ave.

Seventy-first St., s w cor. Ninth Ave., five-st'y brick tenement, brown-stone front, flat tin roof; cost, $25,000; owner, John T. Farley, 402 West Seventy-third St.; architects, Thom & Wilson, 1267 Broadway.

Eighty-eighth St., s s, 89′ e Lexington Ave., 4 five-st'y brick tenements, flat tin roofs; cost, $80,000; owner, Philip Braender, 122 East Eighty-fifth St.; architect, John Brandt, 1491 Third Ave.

Third Ave., e s, from One Hundred and Fourteenth St. to One Hundred and Fifteenth St., 8 five-st'y brick tenements, flat tin roof; cost, six $18,000 each; two $25,000 each; owner, Eva Muller, 446 East Seventy-sixth St.; architect, John Brandt, 1491 Third Ave.

Third Ave., e s, 26′ 5″ n Sixty-seventh St., brick, freestone and terra-cotta trimmings, flat tin roof; cost, $54,000; owner, Marcus Kohner, 147 East Forty-seventh St.; architect, Bart. Walther, 2255 Third Ave.

Third Ave., n e cor. Sixty-seventh St., five-st'y brick workshop, flat tin roof; cost, $20,000; owner and architect, same as last.

West One Hundred and Fourth St., Nos. 509-515, 4 five-st'y brick tenements, flat tin roofs; cost, $80,000; owners, Gillie, Walker & Lawson, 517-521 West One Hundred and Fourth St.; architect, Jas. W. Cole, 401 West Forty-sixth St.

Mott Ave., w s, 382′ 3″ s One Hundred and Forty-fourth St., 2 three-st'y and basement brick dwells., flat tin roofs; cost, $12,750; owner, B. J. M. Carley, 348 Mott Ave.; architect, W. M. Coots, 26 Court St., Brooklyn.

Alterations. — *East Fourteenth St., No.* 3, 2 brick buildings, formerly a hotel, to be altered as warerooms, etc.; cost, $25,000; lessee, Henry C. Stephens, New London, Conn.; architect, Jas. H. Giles, 59 Williams St.

Madison Ave., n w cor. Fifty-sixth St., four-st'y brick dwell., flat tin roof, alterations; cost, $3,000; owner, Francis S. Kinney, New Brighton, Staten Island; architect, John H. Duncan, 237 Broadway.

St. Ann's Ave., e s, 100′ s One Hundred and Sixty-first St., five-st'y brick storage and refrigerator building, peak roof, alterations, etc.; cost, $5,000; owner, Adolph Rupfel, St. Ann's Ave., cor. One Hundred and Sixty-first St.; architect, A. Pfund & Son, 232 West Thirty-sixth St.

Canal St., No. 162, cor. Elizabeth St., two-st'y and attic store and dwell., peak roof, altered to flat tin roof; cost, $4,000; lessee, Jacob Davidson, 170 Canal St.; architect, Chas. Rentz, 80 Greenwich St.

Canal St., No. 160, two-st'y and attic brick store and dwell., roof altered, etc.; cost, $3,500; owner, Jacob Davidson, 170 Canal St.; architect, Charles Rentz, 80 Greenwich St.

Philadelphia.

Building Permits. — *Amboy St.*, s e cor. Columbia Ave., three-st'y store, 18′ x 54′; J. Stafford, owner.

Haverford St., w Thirty-first St., 10 three-st'y dwells., 16′ x 46′; H. Watkin, owner.

North Broad St., No. 2900, two-st'y stable, 16′ x 100′; H. Bayard & Co., owners.

Entrance Lodge to Greenmount Cemetery, two-st'y brick with tower; Hazelhurst & Huckel, architects.

Mountain St., w Nineteenth St., 10 two-st'y dwells.; Thomas Grinnan, owner.

John St., w Second St., 3 two-st'y dwells.; Wm. Bartholomew, owner.

Emerald St., s Tioga St., 5 two-st'y dwells.; Ed. J. Develin, owner.

Wishart St., e Emerald St., 4 two-st'y dwells.; A. I. Richards, contractor.

North Second St., No. 2304, three-st'y dwell.; H. G. Schultz, owner.

Penn St., near Chew St., three-st'y stone dwell.; Geo. Harrison, contractor.

Fifth St., above Pike St., 5 two-st'y dwells.; Gladding & Bros., contractors.

Eighth St., s Tioga St., two-st'y dwell.; James H. Darff, contractor.

Fourth St., s Bainbridge St., three-st'y dwell.; Geo. Nebecker, contractor.

Knox St., s Seymour St., three-st'y dwell.; J. Sims Wilson, contractor.

Redner St., w Twenty-second St., three-st'y stable; A. A. Stewart, owner.

Fitzwater St., No. 2116, three-st'y dwell., Wm. Forbes, contractor.

Fifth St., n Dauphin St., three-st'y dwell.; Jas. Quigley, contractor.

Forty-second St., n Brown St., 10 two-st'y dwells.; Geo. E. Goldbeck, owner.

Ashmead St., near Main St., 4 two-st'y dwells.; David S. McNabb, contractor.

Cedar St., near Terrace St., 4 two-st'y dwells.; Jas. Boone, owner.

Forty-ninth St., n Chester St., 4 three-st'y dwells.; Jas. D. Arthur, contractor.

Broad St., cor. Ellsworth St., three-st'y dwell.; Jno. Gibson, contractor.

Sloan St., n Filbert St., 4 two-st'y dwells.; Thos. C. Sloan, contractor.

Twenty-third St., n Norris St., two-st'y dwell.; E. H. Flood, owner.

St. Louis.

Building Permits.—Fifty-seven permits have been issued since our last report, eight of which are for unimportant frame houses. Of the rest those worth $2,500 and over are as follows:—

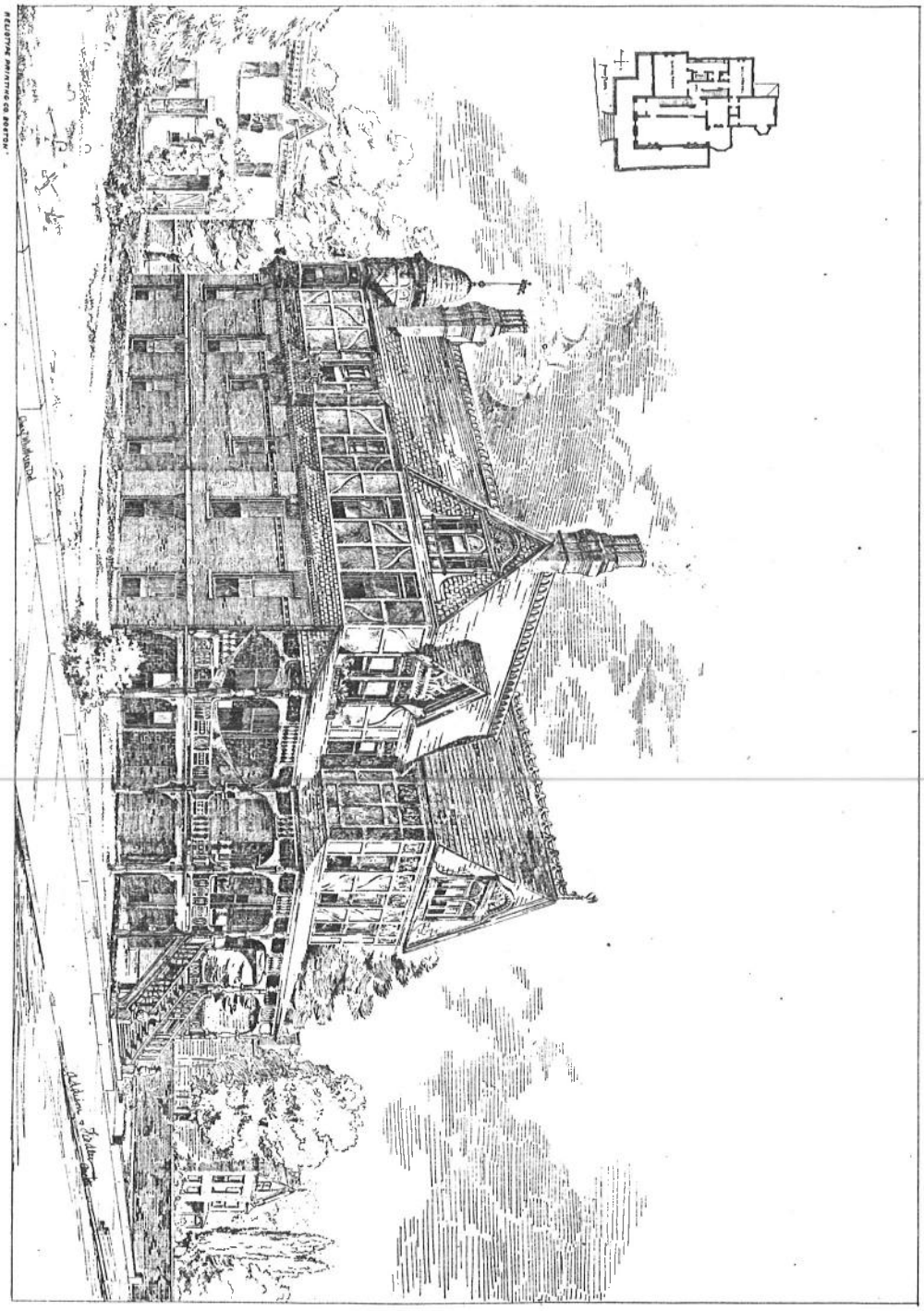
Robert Moore, two-st'y brick dwell.; cost, $12,000; Peabody & Stearns, architects; J. Strimple & Son, contractors.

J. G. Haller, 2 adjacent, two-st'y brick stores and dwells.; cost, $2,500; Fred Knittel, contractor.

Ed. R. Bovers, two-st'y brick dwell.; cost, $5,000; P. F. Meagher & Son, contractors.

A. Hangge, two-st'y brick store bakery and dwell.; cost, $6,000; Aug. Beinke, architect, Shilduman & Gross, contractor.

COPYRIGHTED, 1885 JAMES R. OSGOOD & CO



ALTERATIONS of RESIDENCE for J. H. DEAVOR, Esq. CALUMET AVE. CHICAGO, ILL.

REGISTER PRINTING CO. BOSTON.

Nov. 7, 1885

John W. Hollenback; architect, M. Thomas; builders, C. Cameron and H. J. Smith.

Wythe Ave., No. 199, cor. Hewes St., one-st'y brick extension, tin roof, also Hewes-street wall supported on iron girders, etc.; cost, $2,500; owner, J. N. Puckhaber, Wythe Ave., cor. Hewes St.; architect, T. Engelhardt; builders, Leahey & Moran and C. Schneider.

Hewes St., No. 55, add two stories, also three-st'y extension, altered to store and flats; cost, $4,000; owner, architect and builder, same as last.

Chicago.

BUILDING PERMITS.—J. A. Swasey, three-st'y dwell., 3017 Michigan Boulevard; cost, $6,000.

C. F. Remick, three-st'y dwell., 1918 Clark St.; cost, $8,000.

H. Philippi, 3 two-st'y dwells., 3548-3552 Ellis Ave.; cost, $29,000.

J. W. Rush, three-st'y dwell., 26-28 Delaware St.; cost, $12,000; architects, Addison & Fiedler.

City of Chicago, two-st'y engine-house, 243 Coulter St.; cost, $10,000.

F. M. Almini, 2 two-st'y dwells., 415-415½ Lasalle Ave.; cost, $10,000; architects, Cobb & Frost.

G. Werner, two-st'y store and flats, 1264-1266 Cottage Grove Ave.; cost, $12,000.

M. O. Williams, three-st'y shop and dwell., 488 Wells St.; cost, $3,300.

H. L. Schmidt, three-st'y dwell., 254 North Carpenter St.; cost, $5,600; architect, C. O. Hansen.

Klotz & Meister, 2 four-st'y stores and flats, Milwaukee Ave.; cost, $12,000.

M. Dold, two-st'y dwell., 627 Ashland Ave.; cost, $2,800; architect, W. Thomas.

A. Bessler, three-st'y dwell., 816 West Twelfth St.; cost, $4,000.

H. Miller, two-st'y dwell., 694 Twenty-first St.; cost, $3,000.

V. Fiala, two-st'y dwell., 817 Ashland Ave.; cost, $3,400.

H. B. Peabody, 2 three-st'y stores and flats, 491-493 State St.; cost, $28,000; architect, J. J. Flanders.

Presbyterian Theological Seminary, 5 two-st'y dwells., 509-519 Fullerton Ave.; cost, $16,000; architect, A. M. F. Coulton.

H. Loescher, two-st'y dwell., 245 Sheffield St.; cost, $3,500; architect, E. Riegert.

W. H. Lyford, two-st'y dwell., 2919-2921 Groveland Park Ave.; cost, $9,000; architect, L. M. Beers.

H. Schaller, 2 two-st'y dwells., 48 Vedder St.; cost, $4,000; architect, H. Schaller.

D. H. McDonald, one-st'y addition, 50-52 Dearborn St.; cost, $2,500.

E. N. Blake, five-st'y bakery, 196-198 Clark St.; cost, $15,000; architects, J. M. Van Osdell & Co.; builders, Fox & Hines.

E. N. Blake, four-st'y addition, 196-198 Clark St.; cost, $5,000; architects, J. M. Van Osdell & Co.; builders, Fox & Hines.

R. Bines, seven-st'y factory, 727-729 Dearborn St.; cost, $30,000; architects, J. M. Van Osdell & Co.; builders, C. & A. Price.

A. T. Ewing, 9 three-st'y stores and dwells., 3701-3713 Cottage Grove Ave.; cost, $35,000.

Marshall Field, seven-st'y store, cor. Quincy and Franklin Sts.; cost, $500,000; architect, H. H. Richardson; builders, Norcross Bros.

W. H. Thomas & son, 5 three-st'y dwells., 777-781 West Lake St.; cost, $28,000.

J. Wilson, three-st'y store and flats, 398 Ogden Ave.; cost, $6,000.

J. A. Landon, 6 two-st'y dwells., 944-955 West Jackson St.; cost, $24,000; architect, J. Austin.

F. H. Blackman, two-st'y dwell., 78 Morgan St.; cost, $6,000.

W. J. Anderson, 6 two-st'y dwells., 1316-1328 West Adams St.; cost, $15,000.

J. B. Clow, six-st'y warehouse, cor. Lake and Franklin Sts.; cost, $50,000.

Louisa Tiemann, two-st'y dwell.; 63 Thirteenth Pl.; cost, $3,000.

W. W. Kimball, five-st'y factory, Kinzie St.; cost, $20,000.

P. Landers, three-st'y store and dwell., 639 West Indiana St.; cost, $7,000.

J. Benson, two-st'y addition, 200 Curtis St.; cost, $2,500; architect, L. Lucken.

A. Pearson, two-st'y flats, 1111 Harrison St.; cost, $6,000.

P. Schoenhafer, two-st'y barn, Prairie Ave.; cost, $3,400; architect, H. Cudell.

F. Burman, two-st'y dwell., 3216 Vernon Ave.; cost, $6,500.

P. Taylor, two-st'y flats, 179 Peoria St.; cost, $4,500.

C. Cook, 3 two-st'y dwells., 3728-3732 West Lake St.; cost, $15,000.

Minneapolis, Minn.

BUILDING PERMITS. — Alfred J. Veness, two-st'y wood dwell., n e cor. West Twenty-sixth St. and St. Aldrich Ave., n; cost, $4,300.

Laura T. Vergurson, two-st'y wood dwell., n e s North Aldrich Ave., bet. Twenty-sixth and Twenty-seventh Aves., n; cost, $3,000.

W. Lyons, two-st'y wood dwell., w s North Irving Ave., bet. Fourth St. and Fifth Ave., n; cost, $3,500.

Frank Callom, brick hotel building, s cor. Second St. and First Ave., s; cost, $18,000.

Northwestern Panorama Building Co., brick panorama building, w s Fifth St. and First Ave., s; cost, $25,000.

New York.

DEPOT.—Plans for the New York Central Railroad's new depot have been drawn by Messrs. R. H. Robertson and A. J. Manning. The building is to be built at the n w cor. cor. of Park Ave. and One Hundred and Thirty-eighth St.; will be two and a half stories high, 105′ x 185′, and will cost about $60,000.

CLUB-HOUSES. — The Manhattan Athletic Club will have a building designed to occupy the four lots they have bought from Judge Hilton, on the s e cor. of Park Ave. and Fifty-ninth St.

The Arion Society will erect a handsome club-house, with large singing-hall, etc., the building to cover a lot 100′ x 125′, and to cost probably $180,000.

HOTEL. — The "Colonnade" will be enlarged by the addition of rooms to be built over the stores, to occupy the site of Messrs. Harrigan & Hart's Theatre.

HOUSE.—Mrs. Mary Herter proposes to build a house to occupy a site, 75′ x 100′, on the s e cor. of Madison Ave. and Seventieth St.

BUILDING PERMITS. — *East Sixty-sixth St.*, s s, 180′ e Fourth Ave., two-st'y brick stable, flat gravel and cement roof; cost, $11,525; owner, Chas. F. Clark, 279 Broadway; architects, Chas. Buek & Co., 590 Madison Ave.

Sixty-ninth St., n s, 74′ e Second Ave., five-st'y tenement, brick and brown-stone front; cost, $18,000; owners, Higgins & Keating, 301½ East Seventy-ninth St.; architects, A. B. Ogden & Son, 409 East Fifty-third St.

Seventieth St., s s, 74′ e Second Ave., five-st'y tenement, flat tin roof; cost, $16,000; owners and architects, same as last.

Ogden Ave., w s, 70′ n Devoe St., two-st'y frame dwell., slate and tin peak roof; cost, $3,500; owner, Henry B. Stilson, 339 Second Ave.; architect, Henry Fouchaux, Tenth Ave. and One Hundred and Fifty-eighth St.

Washington St., Nos. 415 *to* 419, seven-st'y brick warehouse, flat tin roof; cost, $35,000; owner, James Pyle, 215 West Forty-fifth St.; architect, Thomas R. Jackson, 61 Broadway.

Ninth Ave., s w cor. One Hundred and Seventh St., 7 five-st'y tenements, flat tin roofs; cost, $160,000; owner, Henry Bornkamp, 306 West One Hundred and Twenty-seventh St.; architect, R. Rosenstock, 335 Broadway.

Mulberry St., Nos. 244 *and* 246, five-st'y brick tenement, flat metal roof; cost, $10,000; owner, Mrs. Anna C. Keane, 113 East Thirty-fifth St.; architect, John B. Snook, 12 Chamber St.

Lexington Ave., w s, 71′ s One Hundred and Twenty-fourth St., five-st'y brick tenement, brick and brown-stone front, flat tin roof; cost, $25,000; owners, White & Anderson, 44 East One Hundred and Thirty-third St.; architect, G. Robinson, Jr., 149 East One Hundred and Twenty-fifth St.

One Hundred and Twenty-first St., s s, 400′ w Sixth Ave., 5 three-st'y and basement brick dwells., brown-stone fronts, flat tin roofs; cost, $75,000; owners and architect, same as last.

Second Ave., e s, from Sixty-ninth to Seventieth Sts., 8 five-st'y brick tenements, flat tin roofs; cost, $120,000; owners, Higgins & Keating, 301½ East Fifty-third St.; architects, A. B. Ogden & Son.

Sixth Ave., w s, 25′ s One Hundred and Thirty-sixth St., 3 three-st'y brick dwells., flat tin roof; cost, $30,000; owner, Frederick Oldhous, 233 West One Hundred and Twenty-third St.; architect, John C. Burne, 1531 Third Ave.

Philadelphia.

BUILDING PERMITS. — *Carlisle St.*, n Columbia Ave., two-st'y stable; R. J. Dobbins, owner

Broad St., n Coulter St., 2 two-st'y dwells.; Jno. Bodling, contractor.

Cumberland St., s Mill St., two-st'y packing-house; Thos. W. Wright & Son, contractor.

Chew St., near Mill St., two-st'y stable; Thos. W. Wright & Son, contractor.

Nineteenth St., No. 1835, two-st'y stable; William Smith, contractor.

Highland Ave., e Twenty-seventh St., two-st'y stone stable; Wm. C. Mackie, contractor.

Hartwell Ave., near Thirty-seventh St., three-st'y dwell.; Wm. C. Mackie, contractor.

Isabella St., e Coral St., 2 three-st'y dry-houses; Dickson Bros., contractors.

Frankford Ave., s Arrott St., three-st'y dwell.; Jos. B. Gerkes, owner.

Third St., No. 495, in rear, three-st'y stable; Jno. Klebe, contractor.

Sixth St., s Catharine St., two-st'y store; Charles McCaul, contractor.

Cambridge St., w Twentieth St., 4 two-st'y dwells.; Robt. McClellan, owner.

Amber St., near Cumberland St., 2 two-st'y stores; Jas. Kitcheman, owner.

Morris St., n Queen St., two-st'y dwell.; Fred. Eldredge, owner.

Almond St., n Clearfield St., 5 two-st'y dwells.; J. R. Pyle, owner.

Sixteenth St., n York St., 10 three-st'y dwells.; Thos. Twibill, owner.

Thomas Ave., n York St., 7 two-st'y dwells., Thos. Twibill, owner.

Christian St., w Twelfth St., 2 three-st'y stores; Thos. Grinnan.

Richfield St., w Twelfth St., 9 two-st'y dwells.; H. A. Miller, owner.

Marton St., w Twenty-first St., 19 two-st'y dwells.; Jno. McConagly, owner.

York St., s w cor. Jasper St., five-st'y factory, 39′ x 35′; Wm. Steele, contractor.

Broad St., n Cumberland St., two-st'y store; Jos. N. Pattison, contractor.

Baltimore Ave., w Forty-third St., stone chapel, 23′ x 68′; E. Thompson, contractor.

Waterloo St., n Norris St., 5 two-st'y dwells.; Wm. Tecklenburg, contractor.

Chester Ave., n Forty-eighth St., 2 three-st'y dwells.; Jas. D. Arthurs, contractor.

William Ave., e Jasper St., 9 two-st'y dwells.; J. R. Pyle, owner.

Fifteenth St., s Dauphin St., 3 two-st'y dwells.; G. K. Glifer, contractor.

Lawrence St., n Somerset St., 8 two-st'y dwells.; Jno. Mitchell, owner.

Aspen St., cor. Holly St., two-st'y dwell.; Fred. Michaelson, owner.

Columbia Ave., No. 1204, two-st'y dwell.; Conrad Bachle, contractor.

St. Louis.

BUILDING PERMITS. — Forty-nine permits have been issued since our last report, fourteen of which are for unimportant frame houses. Of the rest those worth $2,500 and over are as follows:—

Henry B. Berger, two-st'y brick dwell.; cost, $6,800; F. J. Capitaiu, architect; W. J. Haegel, contractor.

German Methodist Episcopal Church, two-st'y frame church; cost, $3,500.

W. L. Balson & A. M. Everist, 3 two-st'y brick dwells.; cost, each, $2,800; W. L. Balson, contractor.

T. L. Davis, two-st'y brick dwell.; cost, $3,300; Stevenson, contractor.

John Rohan, three-st'y brick store and dwell.; cost, $4,500; Duffy, contractor.

Kluegil & Pappits, two-st'y brick furniture factory; cost, $5,500; Hartman & Davis, contractors.

Mrs. H. Subit, two-st'y brick dwell.; cost, $6,900; J. B. Legg, architect; W. J. Haegel, contractor.

O. Wagemann, 4 adjacent two-st'y brick tenements; cost, $4,200; F. J. Capitain, architect; W. J. Haegel, contractor.

Siegmond Stampfer, two-st'y brick dwell.; cost, $5,000; Aug. Beinke, architect; Chas. Rieve.

Fred. Knepper, two-st'y brick dwell.; cost, $6,000; Schildman & Gross, contractors.

Hyde Park Brewery Co., two-st'y brick engine and refrigerator house; cost, $3,500; sub-let.

C. W. Mitchell, two-st'y brick dwell.; cost, $4,500; Aug. Beinke, architect; Hemminghousen & Nollen, contractors.

F. W. Oliver, two-st'y brick dwell.; cost, $5,000; Ramsey & Swasey, architects; sub-let.

Mrs. L. V. S. Ames, 8 adjacent one-st'y brick stores; cost, $9,000; E. Jungenfeld & Co., architects; B. Weber & Co., contractors.

I. N. Miller, 2 adjacent two-st'y brick dwells.; cost, $5,000; Jas. J. Wharton, contractor.

I. N. Miller, 2 adjacent two-st'y brick dwells.; cost, $5,000; Jas. J. Wharton, contractor.

H. S. Randolph, two-st'y brick dwell.; cost, $2,800; J. B. Legg, architect; F. Kohlmeyer & Son, contractors.

St. Louis Mutual House Building Co., No. 3, two-st'y brick dwell.; cost, $3,100; E. Helmer & Bro., contractors.

St. Paul, Minn.

BUILDING PERMITS. — One-and-a-half-st'y frame dwell., n s Fifth St., bet. Bates and Maria Sts.; cost, $2,400; owner, Edward O'Connor.

One additional brick st'y, w s Jackson St., bet. Fifth and Sixth Sts.; cost, $2,000; owners, De Coster and Clark.

Two-st'y brick veneer dwell., w s St. Peter St., bet. Tilton and Martin St.; cost, $3,500; owner, Fergus Fahey.

Two-st'y brick veneer dwell., w s St. Peter St., bet. Martin and Aurora Sts.; cost, $3,500; owner, Fergus Fahey.

Two-st'y frame double store and dwell., e s Forest St., bet. Wallace and Tremont Sts.; cost, $2,700; owner, Richard McCarrick.

Two-st'y frame dwell., s s Portland Ave., bet. Kent and Dale Sts.; cost, $5,000; owner, E. F. Lambert.

Two-st'y frame dwell., s s Hennepin Ave., bet. St. Albans and Grotto Sts.; cost, $2,500; owner, Mrs. Mary Preston.

General Notes.

BRIDGEPORT, CONN. — State Armory; cost, $40,000; Robert W. Hill, architect, Waterbury, Conn.

CASSVILLE, WIS. — Work on the Chicago, Burlington & Northern Railway is progressing well. It is not improbable that Cassville will be selected as the location for the division headquarters of the new road, and that a roundhouse and repair-shops may be built at that place. Cassville is about midway between La Crosse and Savanna.

GLOUCESTER, MASS. — The city has voted $15,000 for a high school house.

KALAMAZOO, MICH.—Two-st'y frame house, 35′ x 50′, for C. D. Nelson; cost, $5,000; Palliser, Palliser & Co., architects, New York.

LAKE VIEW, ILL.—The corner-stone of the new high school building was laid September 19. The building will be a two-st'y brick, 88′ x 115′. There will be five recitation-rooms on the first floor; on the second an assembly-room, a museum, a laboratory, and a recitation-room for the teacher of sciences. The structure will be completed about May 1.

LITCHFIELD, MINN. — The Farmers' Alliance, of Meeker County, has decided to build a flat warehouse, capable of holding about ten thousand bushels of wheat. If it proves successful, other elevators will be built at other stations in the country.

MANCHESTER, N. H.—The Secretary of the Treasury has approved the selection of the Hanover-street property as the site of the new United States court-house and post-office.

MINKATO, MINN. — C. H. Austin & Son will build next spring a three-st'y brick building, 100′ deep, next to their present building, and will add one st'y to the one they now occupy.

MONTGOMERY, ALA. — The Alabama Soldiers' Monument Association has been organized here to build a monument to the Confederate dead on the Capitol grounds, where Jefferson Davis was inaugurated President of the Confederacy. The association includes most of the prominent men in Alabama. The monument is to cost $50,000, and Montgomery has already subscribed a large amount.

NEWARK, N. J. — A. Morris Stuckert, architect, has now under course of erection:—

A cottage on Roseville Ave., first st'y brick, for Austin Kimball, of New York; cost, $6,798.

House, for E. T. Hart, cor. High St. and Clinton Ave.; first st'y stone, upper part frame; cost, about $25,000.

Frame cottage, Clinton Ave., for S. S. Day; cost, $2,781.

Two three-st'y brick houses on Grant St., for M. E. Ticknor and J. P. Ross; cost, $7,700.

NEW BRITAIN, CONN.—House for J. B. Talcott, brick and stone; cost, $30,000.

Two houses for Stanley Bros., brick and stone; cost, $10,000 each.

Factory for P. & F. Corbin, five-st'y; cost, $30,000; Robert W. Hill, Waterbury, Conn., architect for the above.

OWATONNA, MINN.—A telegram has been received from Mr. G. Pillsbury, of Minneapolis, agreeing to build a ladies' boarding-hall, for use of the Minnesota Academy, if the Board would secure an endowment of $25,000.

Nov 14, 1885

PAYING FOR THE USE OF PUBLISHED DESIGNS.

Boston, Nov. 4, 1885.

To the Editors of the American Architect: —

Dear Sirs, — A point arose a short time since in my experience that may be of interest to architects in general, and I present it below, hoping to draw out opinions on the subject. A client, having seen some published plans for a small house by an architect in a distant city, brought them to me to work up, as being, with a few alterations, entirely satisfactory.

The distant situation of that architect, together with some other circumstances, prevented me from sending my client to him, and so, being ignorant of the general practice in such cases, and not wishing to do anything contrary to professional etiquette, I wrote to the architect for permission to use the sketches, and at the same time offered to pay him the customary fee, whatever that was. His reply I give in full, as the best statement of the case from the other side: —

October 26, 1885.

My Dear Sir, — Your esteemed favor of the 22d instant came duly to hand. Its contents has much interested me. You had better by all means assist your client according to his wishes. It is not at all strange that the schedule of charges of the American Institute of Architects does not indicate the solution of the very honorable proposition you make, and I am quite nonplussed to know what is the wisest suggestion to make in the matter, looking at the case from a simply professional standpoint. Of course, any pecuniary consideration that might of possibility be due me would in this case amount to a mere nothing. The principle is, however, the same, and is a very interesting one, I think. If you are willing to take the trouble to ask, say three architects of your acquaintance, their opinion on this point, suppose you do so, and I will do the same. It may be of interest to compare notes. In the meantime, let me assure you of my appreciation of your most courteous and honorable action in the matter. Hoping that a house satisfactory to your client may be the result of our co-labors,

Yours very truly, — — —

In complying with the above request and conferring with other architects, I learn that there is no rule or established practice that covers this point, and hence this communication, as without doubt the quickest solution of the problem. Hoping that you will give it space at your earliest convenience, I am, Yours truly, C.

NOTES AND CLIPPINGS.

"Professional Books" in the Tariff. — On reading the letter of "A. H." in your paper of October 15, I was led to examine the tariff law, and I find the following provision in the act of March 3, 1883: —

"Section 2503. The following articles, when imported, shall be exempt from duty: . . . . Books, household effects, or libraries or parts of libraries, in use, of persons or families from foreign countries, if used abroad by them not less than one year, and not intended for any other person or persons, or for sale . . . . [two pages intervene], wearing apparel in actual use, *and other personal effects* (*not merchandise*), *professional books*, implements, instruments and tools of trade, occupation, or employment of persons arriving in the United States. But this exemption shall not be construed to include machinery or other articles imported for use in any manufacturing establishment or for sale."

It would seem that, under these provisions, both "A. H." and Mr. Warren were entitled to have the articles on which they were forced to pay duty passed free. — *J. R., in the New York Evening Post.*

Steel Punches. — One of the foreman of the Baldwin Locomotive Works, stopping before a little exhibit of steel punches at the Novelties Exhibition, said: "All our great industries are largely dependent upon smaller industries that to the casual observer appear of very little importance. Here, for instance, is a display of punches. They are used simply for punching letters or numbers on the parts of a machine to guide workmen in setting it up, but they are absolutely essential, and it is very important to have them of good quality. Although quite delicate in line they must be clearly formed, of good face, hard enough to be used on iron or steel, and yet not so hard as to be brittle. They require a high degree of skill on the part of the workmen who make them, and yet they appear to the ordinary visitor as of very little importance. Our locomotives are taken apart and shipped to all quarters of the globe, and if it were not for the marks upon the parts made by these little punches it would be an exceedingly difficult job for even our own workmen to put them together again. I enjoy an exhibition of this kind, chiefly because it brings to light so many of the quiet workers whose fame is unsung." — *Iron Age.*

Protecting Washington Monument from Lightning. — The lightning-rod tips, and the rods to which they are to be fixed, intending to protect the Washington monument from lightning, have arrived from Philadelphia, where they were made, and are now being placed in position. The construction of scaffolding around the roof was timed so that it would be in readiness when the rods should arrive, and there will be no delay in the work, except that caused by bad weather. The apparatus constructed in Philadelphia consists of 704 feet of triangular copper rods, plated with gold, to encircle the roof in the horizontal points; two hundred feet of circular copper rods, also gold plated, to extend along the four corners of the roof, and one hundred and seventy-two lightning rod points. The latter are three inches long, made of copper and gold plated, with the exception of a half-inch at the end, which is of platinum. These one hundred and seventy-two points, together with those erected immediately after the monument was struck by lightning, make two hundred points in all, nearly covering the roof of the monument. In the opinion of the scientists who made the recommendations, these precautions will protect the monument from lightning in the future. — *Boston Herald.*

The Statue of Marcus Aurelius at Rome. — For better preservation the statue of Marcus Aurelius, at the Capitol in Rome, is to be removed by the municipality. In its place is to be set up an exact copy in bronze.

Method of Deadening Sounds in Buildings. — General M. C. Meigs, writes to the *Sanitary Engineer* as follows in reference to an article on deadening the sounds from water-closets, which appeared in a late issue: "I have found it impossible to make myself heard by a person on the other side of a large window, double glazed, interval between panes seven-eighths of an inch. Glass is very elastic, and should, I suppose, therefore, be a good sound-conductor. But the voice cannot be heard through two sheets of ordinary French window-glass separated by seven-eighths of an inch of air. In this, I think, may be found a hint for shutting-off sound."

Early Public Clocks. — The first tower-clock built was the Westminster clock in 1288. A few years later a clock was put up in Canterbury Cathedral, and in 1317 the Exeter Cathedral clock was made. The Westminster clock is the second largest in the world. In point of size the great tower-clocks of the world run as follows: Mechlin (Belgium), forty feet diameter of face; Westminster, twenty-two feet six inches; St. Paul's Cathedral, seventeen feet; Shandon Church (Cork), sixteen feet; Pancras Station, twelve feet nine inches; Scarborough, Old Church, twelve feet; St. James (Piccadilly), ten feet, and King's Cross Station, Bow Church, Manchester Infirmary and Royal Exchange, each nine feet. In this country the two largest are twelve feet in diameter. One of these is the Produce Exchange clock, which, through electrical connection, rings bells throughout the building to notify members of the sessions of the exchange. — *The Metal Worker.*

Sand Bags for Engineering Purposes. — During the war of the rebellion in the United States, sand bags were used for the foundations of fortifications on soft ground, notably during the siege of Charleston, where bags of sand were dumped on a mud bank forming an artificial island, upon which a fortification of sand bags and cotton bales was built of sufficient resistance to carry fifteen-inch "swamp angels," which were used to shell the city some seven miles distant. It had been supposed that all possible points were occupied, and until the use of sand bags was devised, it would have been impossible to erect a fortification upon such material. In concrete work, such as the strengthening of the foundations of the Washington Monument, it is sometimes advisable to apply the material in bags, and afterwards burst them by blows of rammers. A few years ago an inlet of about one-sixth of a mile in width on the eastern coast of New Jersey was closed by an embankment made out of eighty thousand bags of sand, each containing one-twelfth of a cubic yard. The cost of these bags filled and in position was eight-and-one-half cents, or one dollar per cubic yard of embankment. The deposit by the sea began as soon as the current in the channel was stopped, and now one hundred acres of land have been reclaimed. This shore is sandy, and the action of waves and currents serves to wear or build the land very rapidly. — *Engineering.*

Curious Collections. — Mme. Agar, the celebrated *tragédienne*, possesses a collection of toys which she exhibited in 1882, at the Union Centrale. Baron Oscar de Watteville, who only smokes cigarettes, has been making a collection of pipes during the last forty years. The Duke of Richelieu, the prime minister of Louis XVIII., had a splendid collection of pipes, which was rather singular for a man who only took snuff. The late Duke of Zweibrucken, at Carlsberg, left pipes to the value of 100,000 florins. General Vandamme, one of the heroes of the army of Sambre-et-Meuse, died in 1830, leaving a fortune consisting solely of pipes, which realized 60,000 francs at a public auction. M. Maury, of Asnières, is the owner of a collection of marionettes, the relics of the Nicolet, Séraphin and Miniature theatres in the Champs Elysées. This collection is, to say the least, quite as interesting as those of gloves, garters, funeral-cards, match-boxes and military tufts, which some people dote on. Further, we have collectors of door-knockers, shoe-lifters, forks, braces, buttons and shoe nails. Lastly, we note that an amateur at Poictiers has made it his business to rake together all the "bad grammar" of members of the French Academy from its institution down to the year 1885. This imposing collection consists of about 3500 cuttings from books, reviews or newspapers. These the collector bequeathed, oh, irony! to the Bibliothèque Magazine, the library of the Academy. — *Intermédiare des Chercheurs.*

Vibrations of the Flood Rock Explosion observed at Cambridge. — The jocose assertion of the first director of Harvard College Observatory, Professor William Bond, that the ponderous foundation stone on which the great refractor is poised could not be moved even by an earthquake has at last been disproved by observations taken there on the occasion of the recent explosion at Hell Gate. Old Summer-house Hill itself, upon which the observatory stands, was preceptibly shaken on that occasion, if Professor W. A. Rogers's perceptive faculties were not at fault. The air line distance between the Observatory and Flood Rock is nearly one hundred and ninety miles. Accurate time was kept at both points. The time-keeper at Hell Gate fixed the explosion at precisely fourteen minutes past eleven by the seventy-fifth meridian time. The time reported from Princeton at which the effect was observed there was 11: 14.47. Professor Rogers's observations at Cambridge were: Disturbance first seen, 11: 17.14; instant of maximum disturbance, 11: 18.03; disturbance ceased 11: 20. The figures are all in seventy-fifth meridian, or eastern time. The method used to develop the distance of vibration was the placing of a saucer of mercury on the solid cellar floor. In this mercury was a speck or flaw. Upon this point was brought to bear a microscope of 750 magnifying power, the spider line being in exact coincidence with the flaw. The first vibration perceived was about a thousandth of an inch and recurred at intervals for nearly two minutes, the greatest swaying of the mercury being over a space of one five hundredth of an inch. — *New York Tribune.*

Nov. 21, 1885

Turner, 208 High St.; architect, E. L. Messenger; builders, Laney & Moran.

Second St., n s, 21′ e Bond St., 2 three-st'y brick dwells., tin roofs; cost, each, $5,000; owner, Mary E. Lynch, 823 Union St.; architect, I. D. Reynolds; builder, J. McLean.

Broadway, n e cor. Stewart St., 2 three-st'y frame (brick-filled) stores and tenements, tin roofs; total cost, $10,000; owner, architect and builder, Walter E. Maryatt, 525 Quincy St.

Alterations. — *Wolcott St.*, w s, 125′ s Conover St., add two stories, flat tin roof, also new cellar; cost, $4,400; owner, Miss Margaret Madigan, 123 Wolcott St.; architect, P. H. Gilvary; builders, M. Gibbons & Son and D. J. Lynch.

Third St., Nos. 75 and 77, add two stories, front of stable taken down, and new store front, etc.; cost, $6,500; owner, John T. Pinckney, 75 Third St.; architect, A. E. White; builders, P. Carlin & Son and C. M. White.

Chicago.

Building Permits. — W. Gruby, three-st'y flats, 295 Chicago Ave.; cost, $10,000; architect, F. Beaumann.

H. A. Balding, 2 two-st'y dwells., 62-64 Bryant Pl.; cost, $10,000.

W. Kamp Bros., three-st'y store and flats, 3106 Halsted St.; cost, $7,000.

A. H. Lowden, 2 two-st'y dwells., 3231-3233 Groveland Park; cost, $12,000; architect, A. H. Lowden.

S. E. Gross, 11 two-st'y dwells., Sacramento St.; cost, $25,000; architect, L. G. Hallberg.

C. B. Schel, two-st'y flats, 988 West Twelfth St.; cost, $3,800.

F. Henneberry, basement, 872 Ashland Ave.; cost, $5,000.

Maxwell Bros., barn, 771-773 Loomis St.; cost, $4,000.

Sheldon Estate, addition, 263-265 Wabash Ave.; cost, $5,000.

F. B. E. Backius, four-st'y flats, 234 North May St.; cost, $8,000.

Mrs. M. Foote, two-st'y dwell., 1038 Wilcox Ave.; cost, $4,500.

T. H. Gault, 6 two-st'y dwells., 3401-3413 Prairie Ave.; cost, $25,000; architects, Copeland & McGrath.

J. Houtnik, two-st'y addition, 614 Eighteenth St.; cost, $2,700.

J. Conley, three-st'y flats, 86-88 Quincy St.; cost, $6,000.

Bartholamae & Roesing, elevator, 333 West Twelfth St.; cost, $10,000; architect, W. M. Wanger.

Mrs. H. Adler, 2 two-st'y dwells., 3541-3543 Ellis Ave.; cost, $6,000.

E. B. Felsenthal, two-st'y dwell., 3545 Ellis Ave.; cost, $3,000.

F. M. Fargo & Lobdell, 6 two-st'y dwells., 34-44 Ray St.; cost, $24,000.

C. G. Nardin, two-st'y dwell., 403 Robey St.; cost, $2,900.

J. C. McCord, barn, Thirty-fourth St.; cost, $5,000.

R. Brand, three-st'y addition, Clybourne Ave.; cost, $10,000; architect, C. H. Gottig.

H. Sweet, three-st'y store and flats, 1460 Milwaukee Ave.; cost, $4,000.

H. Sweet, 2 three-st'y store and flats, 1522-1524 Milwaukee Ave.; cost, $6,000.

F. Huba, two-st'y flat, 43 Tell Pl.; cost, $4,500.

Dr. Byford, 2 two-st'y dwells., 3243-3245 South Park Ave.; cost, $7,000; architect, W. A. Furber.

C. Ickes, three-st'y ice-house, 155 North Wells St.; cost, $8,000.

A. Merriger, three-st'y store and dwell., 439 North Wells St.; cost, $4,000; architect, C. H. Gottig.

K. G. Schmidt, three-st'y store and flats, 131-137 North Ave.; cost, $12,000; architect, P. Huber.

B. Summers, four-st'y store and flat, 626 West Van Buren St.; cost, $7,000; architect, J. C. Garvell.

H. G. Hangan, two-st'y dwell., 169 Fremont St.; cost, $3,500.

Denver, Col.

Church. — English Lutheran church and parsonage, California St.; cost, $11,000; Varian & Sterner, architects.

Schoolhouses.—Delgany Public School; cost, $7,500; R. S. Roeschlaub, architect.

Fleming's Grove School, brick building, one-st'y; cost, $3,500; Fred. Hale, architect.

Storehouse. — Colorado Fuel Co., 60′ x 200′; cost, $9,000.

Stores. — G. W. Clayton, three-st'y stone business block, Lawrence St.; cost, $60,000; Edbrooke & Co., architects.

C. T. Chever, three-st'y business block; cost, $8,000.

Thos. Walch, three-st'y business block, Arapahoe St.; cost, $14,000; Edbrooke & Co., architects.

Houses. — Mrs. H. B. Gilbert, two-st'y brick dwell., Clarkson St.; cost, $6,500; Fred. Hale, architect.

J. S. Dreyfuss, two-st'y brick dwell., Curtis St.; cost, $6,000; Varian & Sterner, architects.

Mrs. J. Dickinson, two-st'y brick dwell.; cost, $5,000.

H. Bennett, two-st'y brick dwell., Stout St.; cost, $8,000; Wm. Quayle, architect.

J. B. Kellson, two-st'y brick block; cost, $3,000.

H. C. Brown, 2 two-st'y brick dwells., Lincoln Ave.; cost, $6,000.

Detroit.

Hotel.—The Cass Estate will rebuild the Cass Hotel, cor. Third and Woodbridge Sts.; cost, about $100,000; G. W. Lloyd, architect.

Building Permits.—Topping & Fisher, for W. Murphy, two-st'y brick dwell., 35 Putnam Ave.; cost, $15,000.

John W. Flinn, two-st'y brick dwell., 127 Henry St.; cost, $8,000.

Thomas Payne, two-st'y brick dwell., 735 Second St.; cost, $9,000.

Jeynes & Son, two-st'y brick dwell., 702 Woodward Ave.; cost, $8,000.

S. J. Martin, two-st'y brick dwell., 557 Third St.; cost, $3,500.

A. Williamson, 3 two-st'y brick dwells., 111, 113 and 115 Porter St.; cost, $3,500.

F. Blindburg, two-st'y brick dwell., 66 Fremont St.; cost, $4,500.

Mrs. Jane E. Chamberlain, two-st'y double brick dwell., 43 West Willis Ave.; cost, $9,000.

W. H. Hollands & Son, 2 two-st'y brick dwells., 72 and 74 East High St.; cost, $8,000.

W. H. Hollands & Son, two-st'y double brick dwell., 57 and 59 East Warren Ave.; cost, $7,500.

S. J. Martin, 3 two-st'y brick dwells., 551, 553 and 555 Third St.; cost, $9,000.

Kansas City, Mo.

Building Permits. — W. W. Macfarland, brick building, s e cor. Fourth and Locust Sts.; cost, $7,000.

J. S. Weber, brick building, Southwest Boulevard; cost, $3,500.

J. S. Weber, brick building, Penn St.; cost, $3,000.

W. C. McKay, brick building, Forrest Ave.; cost, $6,000.

G. R. Meyer, brick building, n e cor. Krey and Independence Ave.; cost, $13,000.

S. A. Butler, brick building, n e cor. Fifteenth and Campbell Sts.; cost, $20,000.

P. E. Emery, frame building, West Fourteenth St.; cost, $4,500.

J. F. Corle, frame building, Santa Fe St.; cost, $27,000.

Berean Baptist Church, frame building, Vine St.; cost, $3,000.

M. Kendall, frame building, Brooklyn St.; cost, $3,500.

Frank Elmar, Linden and Third Sts.; cost, $4,700.

Minneapolis, Minn.

Building Permits. — J. F. Collern, two-st'y brick veneer store and flat, n e cor. North Humbold and Sixth Aves.; cost, $7,000.

Jeremiah Spear, 2 two-and-one-half-st'y brick veneer dwells., s s Second St., between Tenth and Eleventh Aves.; cost, each, $4,500.

Herbert T. Bush, two-st'y wooden dwell. and barn, e s Park Ave., between East Twenty-sixth and East Twenty-seventh Sts., s; cost, $3,500.

Highland Park Presbyterian Church Society, one-st'y wooden church, n e cor. North Emerson and Twenty-first Aves., n; cost, $5,000.

Miss A. M. Henderson, two-st'y wooden dwell., n cor. First Ave. and Seventh St.; cost, $2,700.

Anderson Bros., two-st'y brick store and flat, s s Twentieth Ave., between Third and Fourth Sts., n; cost, $3,500.

J. G. Palmer, 2 two-st'y wooden dwells., Portland Ave., between East Nineteenth and East Twentieth Sts., s; cost, each, $3,500.

Wm. H. Groff, two-and-one-half-st'y wooden dwell., n w cor. East Twentieth St. and Second Ave.; cost, $10,000.

Gates Bros., two-and-one-half-st'y stone veneer addition to tenement, n s Grant St., between Willow St. and Spruce Pl., s; cost, $15,000.

Syndicate Co., alteration store building, e s Nicollet Ave., bet. Fifth and Sixth Sts., s; cost, $6,000.

Dickens & McCague, two-st'y brick livery stable, n s Fifth St., bet. Hennepin and First Aves., n; cost, $4,000.

Kerrick & Danforth, two-st'y wood dwell., s s Highland Ave., bet. Oak Lake addition; cost, $4,000.

Magnus Swanson, two-st'y wood dwell., w s Buchanan St., bet. Eighteenth and Eighteenth-and-a-half Aves., n; cost, $2,500.

Chicago, Milwaukee, Minneapolis & St. Paul R.R., one-st'y wood wheat storage-house, s s Eighth Ave., bet. Second and Washington Aves., s; cost, $5,700.

Chicago, Milwaukee, Minneapolis & St. Paul R.R., one-st'y wood wheat storage-house, s s Eighth Ave., bet. Washington Ave. and Third St., s; cost, $11,750.

F. H. Boardman, three-st'y brick veneer dwell., e cor. West Fifteenth St. and Oak Grove Ave.; cost, $10,000.

F. Wackmitte, two-st'y brick store, w cor. Seventh Ave. and Third St., n; cost, $5,000.

J. M. Miller, two-st'y stone veneer dwell., n w s Harmon Pl., bet. Maple St. and Hennepin Ave.; cost, $10,000.

Peter Lafgren, two-st'y brick veneer dwell., w s Fifteenth Ave., bet. Ninth and Thirteenth Sts.; cost, $7,000.

Carl Peterson, two-st'y wood dwell., w s Fifteenth Ave., bet. Ninth and Thirteenth Sts., s; cost, $3,000.

Mrs. McGuire, two-st'y wood dwell., n e cor. Pleasant Ave. and Beacon St., s; cost, $3,300.

Rosa A. Wright, 3 three-st'y brick veneer dwells., s s Eighth St., bet. Third and Fourth Aves., s; cost, $10,000.

C. A. Pillsbury & Co., two-st'y wood storage-house, s s Seventh St., bet. Seventeenth and Eighteenth Sts., s; cost, $20,000.

Union Elevator Co., wood elevator, n e s St. Paul & Manitoba Railroad tracks; cost, $50,000.

New York.

The Outlook. — It is hardly likely that any large buildings will now be started before spring, and builders are very busy getting their work now under way, covered in before frost.

Flats.—At No. 225 Lexington Ave., five-st'y and basement, brick, brown-stone and terra-cotta flat, 26′ x 78′, to cost $25,000, is to be built for Mr. John E. O'Brien; from plans of Mr. Hugo Kafka.

Storage-House. — On the w s Second Ave., com. 53′ n Thirty-seventh St., six-st'y brick and stone building, 74′ 2½″ x 90′, first-st'y and basement for storage purposes, and above improved tenements is to be built for the Merchant's Storage and Warehouse Co., at a cost of about $45,000; from plans of Messrs. De Lemos & Cordes, who will also design for the same Company a five-st'y office-building, with tenements above on the n s Forty-seventh St., 188′ w Second Ave., to cost $18,000.

Building Permits. — *East Eighty-sixth St., No.* 342, 3 four-st'y and basement brick tenements, flat tin roofs; cost, $48,000; owner, James Barry, 342 East Eighty-sixth St.; architect, H. L. Harris, Ninth Ave., cor. Eightieth St.

West Eighty-seventh St., Nos. 403 *to* 407, 3 three-st'y and basement brick dwells., flat tin roofs; cost, $27,000; owner, J. M. Grenell, 1764 Broadway.

Norfolk St., Nos. 9 *and* 11, 2 five-st y brick tenements, peak tin roofs; cost, $30,000; owner, Charles Schmidt, 9 and 11 Norfolk St.; architect, Frederick Ebling, 140 Second St.

Eighty-fifth St., n s, 100′ e Ninth Ave., 14 four-st'y and basement brick dwells., mansard roofs; cost, $200,000; owner, Stephen C. Clark, guardian, Alf Corning Clark; architect, Geo. H. Griebel, 16 West Twenty-fourth St.

East Twenty-fourth St., Nos. 325 *and* 327, 2 five-st'y brick tenements, flat tin roofs; cost, $32,000; owner, Frederick Heerlein, 332 Second Ave.; architect, Frederick Ebling, 140 Second St.

Sixth Ave., s w cor. One Hundred and Twenty-fourth St., four-st'y brick tenement, flat tin roof; cost, $18,000; owner, Joseph Bierhoff, 276 West One Hundred and Twenty-seventh St.; architect, Theo. E. Thompson, n e cor. Eighth Ave. and One Hundred and Twenty-fifth St.

East Nineteenth St., No. 7, five-st'y brick store building, flat tin roof; cost, $25,000; owner, Robert Carter, 61 Broadway; architect, Thomas R. Jackson, 61 Broadway.

Broadway, e s, 27′ s One Hundred and Thirty-first St., four-st'y brick tenement, flat tin roof; cost, $7,000; owner, Sarah Myers, 211 West Twenty-second St.; architect, E. T. Hatch, One Hundred and Thirty-first St., cor. Broadway.

Broadway, e s, 55′ s One Hundred and Thirty-first St., four-st'y and basement tenement, flat tin roof; cost, $9,000; owner, Sarah Myers, 211 West Twenty-second St.; architect, E. T. Hatch, One Hundred and Thirty-first St., cor. Broadway.

Broadway, e s 71′ s One Hundred and Thirty-first St., five-st'y brick tenement, flat tin roof; owner, Sarah Meyers, 211 West Twenty-second St.; architect, E. T. Hatch, One Hundred and Thirty-first St., cor. Broadway.

Fifty-eighth St., s s, 25′ w Ninth Ave., 3 five-st'y brick tenements, brown-stone front, flat tin roofs; cost, $66,000; owner, Bernard Wilson, 337 East Fifty-eighth St.; architects, Thom & Wilson, 1267 Broadway.

Forty-eighth St., n s, 175′ w Ninth Ave., five-st'y brick tenement, flat tin roof; cost, $19,000; owner, Alexander Moore, 453 West Forty-eighth St.; architect, Louis Ungrich, 1554 Broadway.

Fifty-eighth St., s w cor. Ninth Ave., five-st'y brick tenement, flat tin roof; cost, $25,000; owner, Bernard Wilson, 337 East Fifty-eighth St.; architects, Thom & Wilson, 1267 Broadway.

East Eightieth St., No. 503, two-st'y brick office, flat tin roof; cost, $5,000; owner, James H. Ferdon, 204 East Seventy-seventh St.; architect, John Westervelt, 1563 Third Ave.

Forty-eighth St., n s, 350′ w Eleventh Ave., 4 five-st'y brick tenements, flat tin roofs; cost, $54,000; owner, Andrew T. Doyle, 351 East Fifty-eighth St.; architects, A. B. Ogden & Son, 409 East Fifty-third St.

West Fifty-first St., Nos. 540 *and* 542, 2 five-st'y brick tenements, flat tin roofs, brown-stone front; cost, $40,000; owners, Huston Bros., 542 West Fifty-first St.; architect, C. Abbott French, 200 West Fifty-eighth St.

Norfolk St., No. 122, five-st'y brick tenement, flat tin roof; cost, $18,000; owner, S. Bachrach, s e cor. Grand and Norfolk Sts.; architect, Chas. Rentz, 80 Greenwich Ave.

Norfolk St., No. 105, five-st'y brick tenement, flat tin roof; cost, $18,000; owner and architect, same as last.

Ave. A, s e cor. One Hundred and Fifteenth St., five-st'y brick tenement, flat tin roof; cost, $18,500; owner, Mrs. Christina Hanschen, 117 West Twenty-fourth St., and J. Edward Dresseler, 500 East Eighty-first St.; architect, Edward L. Angell, 40 Broadway.

One Hundred and Twenty-second St., n s, 100′ w Seventh Ave., 3 three-st'y brick dwells., flat tin roofs; cost, $38,000; owner, Phoebe Smith, 1475 Broadway; architect, Geo. B. Pelham, 56 Wall St.

One Hundred and Fifty-fifth St., n s, 225′ e Eleventh Ave., two-st'y wooden athenæum, shingle and tin roof; cost, $6,000; owner, Joseph W. Cain, 1629 Broadway; architect, W. M. Grinnell, 121 East Twenty-third St.

Washington St., Nos. 415, 417 *and* 419, seven-st'y brick warehouse, flat tin roof; cost, $35,000; owner, Jas. Pyle, 215 West Forty-fifth St.; architect, Thos. R. Jackson, 61 Broadway.

Tenth Ave., Nos. 507 *and* 509, 2 five-st'y brick tenements, brown-stone fronts, flat tin roofs; cost, $20,000; owner, Joseph Schwarzler, 1363 Fifth Ave.; architects, Wilson & Hudson, 490 Sixth Ave.

One Hundred and Sixty-fourth St., n s, 125′ e Boston Ave., 5 two-st'y frame dwells., flat tin roofs; cost, $15,000; owner, Silas D. Gifford, One Hundred and Sixty-seventh St.; architect, John E. Kirby, 15 Broadway.

Market St., No. 11, four-st'y brick tailor-manufactory, flat tin roof; cost, $4,500; owner, Morris Alexander, 97 East Broadway; architect, Frederick Wandelte, 171 Suffolk St.

East Broadway, No. 126, five-st'y brick tenement, flat tin roof; cost, $14,000; owner, Edward D. Conolly, 675 Lexington Ave.; architects, Renwick, Aspinwall & Russell, 71 Broadway.

One Hundred and Fifty-seventh St., s s, 250′ w Tenth Ave., 3 three-st'y wooden dwells., flat tin roof; cost, $12,000; owner, E. R. Fay, Tenth Ave. and One Hundred and Fifty-eighth St.; architect, Henry Fouchaux, Tenth Ave. and One Hundred and Fifty-eighth St.

Alterations. — *Cedar St., No.* 117, three-and-a-half-st'y brick tenement, alterations; cost, $4,500; owner, Thos. Cleary, 120 Broadway.

West Fifteenth St., Nos. 540 *and* 542, two-st'y brick whitening-mill, extension; cost, $6,000; owner, Thomas Leunon, 542 West Fifty-seventh St.; architects, Schwarzman & Buchman, *Tribune* Building.

Greenwich St., No. 187, three-st'y brick and brown-stone bank and office-building, alterations; cost, $4,000; owner, North River Bank, 187 Greenwich St., architects, Alfred Zucker & Co., 346 Broadway.

Nov 28, 1885

Saratoga St., No. 696, dwell., 20′ x 28′; owner and builder, E. J. Turner.

Brooklyn.

BUILDING PERMITS. — *Cedar St.*, n s, 300′ e Evergreen Ave., three-st'y frame tenement, tin roof; cost, $4,000; owner, P. H. Hill, 771 Madison St.

Fifty-fifth St., s s, 200′ e First Ave., 3 two-st'y frame (brick-filled) dwells., tin roofs; cost, each, $1,700; owner, Levi V. Martin, 87 Fifty-fifth St.; architect, H. L. Spicer; builder, J. H. French.

Halsey St., No. 80, s s, 100′ w Nostrand Ave., three-st'y brick dwell. and extension, tin roof; cost, $7,000; owner and builder, W. R. Bell, 403 Washington Ave.; architect, C. A. Mushlit.

Degraw St., n s, 100′ e Rogers Ave., three-st'y brick tenement, gravel roof; cost, $3,500; owner and builder, John R. Ferguson, 917 Douglass St.; architect, A. Hill.

Bergen St., s s, about 105′ w Brooklyn Ave., two-st'y brick stable and rooms over, tin roof; cost, $4,000; owner, A. S. Barnes, 755 St. Marks Ave.; architect, A. G. Stone.

Madison St., n s, 255′ w Sumner Ave., two-st'y brick stable, gravel roof, wooden cornice; cost, $7,500; owner, architect and builder, Paul C. Grenling, 420 Gates Ave.

Halsey St., n s, 232′ w Stuyvesant Ave., 12 three-st'y brick and brown-stone dwells., gravel roofs; cost, each, $5,000; owner, Joseph P. Pucis, 113 Nostrand Ave.; architect, J. D. Hall; builder, W. Andrews.

Dean St., s s, 175′ w Franklin Ave., two-st'y brick engine-house, gravel roof; cost, $12,000; owner, Budweiser Brewing Co., Dean St., Franklin Ave.; architect, J. Platte; builder, J. Rauth.

Myrtle Ave., n e cor. Franklin Ave., four-st'y brick store and tenement, tin roof; cost, $12,000; owner, James Ward, 325 Bedford Ave.; architect, J. Platte; builder, P. Newman.

Warren St., n s, 100′ w Nevins St., 2 four-st'y brick tenements, tin roofs; cost, $14,000; owner, P. O'Rourke, 419 Degraw St.; architect, —— Reagan; mason, J. H. O'Rourke.

Bushwick Ave., w s, 50′ s Suydam St., two-st'y (brick-filled) frame dwell., tin roof; cost, $3,000; owner and architect, John Kramer; builder, J. Rueger.

Sumpter St., n s, 250′ e Saratoga Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $3,500; owner and builder, Nicholaus Burkhardt, 338 East Eighteenth St.; architect, H. Vollweiler.

George St., n s, 120′ e Central Ave., one-st'y and five-st'y brick brewery and boiler-house, tin roofs; cost, $30,000; owner, Leonard Eppig, George St.; architect, C. Stoll.

Fourth Ave., n w cor. Fifty-third St., 8 two-st'y frame (brick-filled) dwells., tin roofs; cost, $16,000; owner, James Weir, Jr., Twenty-fifth St., near Fifth Ave.; architect, F. Ryan; builders, D. Ryan and J. Goodwin.

Fourth Ave., n w cor. Forty-eighth St., three-st'y frame store and dwell., tin roof; cost, about $2,500; owner and contractor, James Montgomery, 993 Third Ave.; architect, W. H. Wirth.

Stanhope St., n w s, 465′ n e Evergreen Ave., 3 two-st'y frame dwells., tin roofs; cost, $4,700; owner and builder, John Mitchell, 76 Conselyea St.; architect, W. Clement.

Herkimer St., n s, 112′ e Kingston Ave., 6 two-st'y brick dwells., tin roofs; total cost, $21,000; owner and contractor, H. J. Brown, 99 Decatur St.; architect, A. Hill.

Eighth St., s s, 150′ e Third Ave., 3 two-st'y brick factories, tin roofs; cost, $4,500; owners, Chas. S. Higgins & Co., 197 Third St.; architects and builders, Maurice Freeman's Sons.

Macon St., n s, 21′ w Sumner Ave., two-and-a-half-st'y brick dwell., tin roof; cost, $5,000; owner, A. K. Buckley, 890 Gates Ave.; architect, W. H. Burhaus.

Macon St., n w cor. Sumner Ave., four-st'y brick store and flat, tin roof; cost, $12,000; owner and architect, same as last.

Saratoga Ave., w s, 95′ s Herkimer St., two-st'y frame dwell., tin roof; cost, $2,800; owner, W. J. Courter, 706 Herkimer st.; architect and contractor, G. Marriott, mason, W. Wickes.

Schenck St., No. 208, three-st'y brick tenement, tin roof; cost, $4,500; owner, Earl C. Marsh, 208 Schenck St.; architect, A. Hill.

Hancock St., n s, 95′ e Tompkins Ave., 10 three-st'y brick dwells., tin roofs; cost, each, $8,000; owner and architect, J. C. Bashfield, 293 Herkimer St.; builder, not selected.

Tenth St., s s, 82′ w Seventh Ave., 4 two-st'y brick dwells., tin roofs; total cost, $17,000; owner, architect and builder, John Kolle, 1113 Twenty-second St.

Sixteenth St., s s, 300′ e Fifth Ave., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,000; owner, James Doyle, Sixteenth St., near Fifth Ave.; architect and builder, W. J. Conway.

Chicago.

BUILDING PERMITS. — A. A. Holden, 3 three-st'y stores and flats, 745 and 747 West Madison St.; cost, $15,000; architect, S. V. Shipman.

Reid, Murdock & Fisher, four-st'y factory, 530-536 West Lake St.; cost, $30,000; architect, S. V. Shipman.

F. Cole, three-st'y dwell., 95 Judd St.; cost, $4,600.

H. Corwith, 2 three-st'y store and flats, 496 and 498 West Madison St.; cost, $20,000.

Andrews, Burhans & Cooper, 5 two-st'y dwells., 3221-3229 Rhodes Ave.; cost, $20,000.

J. Idsler, two-st'y dwell., 924 Polk St.; cost, $3,500.

M. Myers, additional story, 72 and 75 East Chicago Ave.; cost, $4,500.

A. Johnson, 2 three-st'y stores and flats, 129 and 131 Ontario St.; cost, $10,000.

Chicago, Milwaukee & St. Paul R. R. Co., two-st'y warehouse, Kinzie and Kingbury Sts.; cost, $50,000.

G. Wetterlund, 2 three-st'y dwells., 149 and 151 North Carpenter Sts.; cost, $8,800.

C. Oberg, four-st'y dwell., 294 West Ohio St.; cost, $6,000.

C. E. Robinson, three-st'y store and flats, 515 Clark St.; cost, $9,000.

P. Ryan, two-st'y store and dwell., 516 Thirteenth St.; cost, $3,300.

W. Comstock & Co., two additional stories, 127 and 129 Ontario St.; cost, $3,000.

C. B. Simons, two-st'y dwell., 3717 Johnson Pl.; cost, $2,500.

C. Hild, three-st'y dwell., 348 Dayton St.; cost, $5,500.

G. W. Cook, two-st'y dwell., 2951 Groveland Ave.; cost, $5,000; architect, W. L. B. Jenney.

E. Bassler, two-st'y dwell., 163 Wood St.; cost, $4,000.

L. Silverman, four-st'y factory, 1234-1250 Filmore St.; cost, $40,000; architect, O. Cobb.

E. F. Ingals, 2 two-st'y dwells., 503 and 507 West Adams St.; cost, $15,000.

The Union League Club, six-st'y club-house, 104-114 Jackson St.; cost, $150,000; architect, W. L. B. Jenney.

G. S. Chapin, three-st'y dwell., 3626 and 3628 Michigan Ave.; cost, $35,000; architect, F. L. Charnley.

M. Keating, 2 two-st'y dwells., 3141 and 3143 Vernon Ave.; cost, $10,000.

J. S. Hoskins, four-st'y dwell., 87 Thirty-first St.; cost, $12,000.

M. Cohen, three-st'y club-house, 531 and 533 Wells St.; cost, $12,000; architects, Fromman & Jobsen.

M. Dix, two-st'y addition 28-36 Rush St.; cost, $7,000.

F. R. Otis, two-st'y addition, 12 Quincy St.; cost, $3,000.

President Theological Seminary of the Northwest, 5 two-st'y dwells., 312-320 Belden Ave.; cost, $20,000.

W. S. Edwards, two-st'y factory, 73-83 North Ashland Ave.; cost, $5,500.

J. J. Smith, two-st'y store and dwell., 3658 Butterfield St.; cost, $3,300; architect, H. C. Hanson.

P. Dougherty two-st'y dwell., 187 Osgood St.; cost, $3,000; architect, O. Burgeois.

P. W. Gates, two-st'y dwell., 542 Washington Boulevard; cost, $4,000; architect, W. Thomas.

Garner & Co., 3 two-st'y dwells., 3108 Hanover St.; cost, $6,000.

J. Weisbach, two-st'y dwell., 950 Halsted St.; $3,500.

C. Reimer, two-st'y dwell., 661 North Ashland Ave.; cost, $6,000.

M. Rothe, two-st'y dwell., 53 Tell Pl.; cost, $5,000;

R. Gerber, two-st'y dwell., 267 North Wood St.; cost, $5,000.

F. Novak, 6 dwells., 366-378 Loughton St.; cost, $4,000.

S. Schutt, two-st'y flat, 121 Seminary Ave.; cost, $3,000.

R. S. Cox, 6 three-st'y stores and dwells., Jackson St.; cor. Wood St.; cost, $26,000.

Wesley M. E. Church, two-st'y parsonage, 1009 North Halsted St.; cost, $4,500.

N. W. Parlor M'f'g Co., two-st'y addition; cost, $2,800.

S. C. Hayes, two-st'y flats, 763 Walnut St.; cost, $4,000.

J. Thollen, two-st'y flat, 2458 Dearborn St.; cost, $7,000.

F. Mobinke, two-st'y flat, 294 Henry St.; cost, $35,000.

H. Neff, two-st'y store and dwell., 183 West Van Buren St.; cost, $4,000.

J. Clark, 3 two-st'y dwells., 3123-3125 Michigan Ave.; cost, $11,000.

J. O'Boyle, three-st'y store and dwell., 58 North State; cost, $6,000.

A. Biemolt, three-st'y store and dwell., 567 West Harrison St.; cost, $6,000.

H. Scholikopt, 8 two-st'y dwells., 802-810 North Park St.; cost, $17,000; architect, T. Karls.

H. Scholikopt, 4 two-st'y dwells., 906-912 North Clark St.; cost, $17,000.

D. S. Googins, 2 two-st'y dwells., 41-43 Oak Ave.; cost, $18,000.

Cincinnati.

BUILDING PERMITS.—J. A. Williams, remodel three-st'y brick house, Race St., bet. Union and Pearl Sts.; cost, $3,500.

Henry Slater, double frame dwell., 682-684 Eastern Ave.; cost, $2,000.

Mrs. Vevay, two-st'y frame dwell., Hackburn and Dexter Sts.; cost, $4,500.

Geo. W. Clark & Bro., three-st'y brick dwell., Halstead & Eliza Sts.; cost, $4,500.

L. Seasongood, five-st'y stone front building, 374 West Sixth St.; cost, $7,500.

Total cost to date, $2,120,044.

Last permit, 5562.

Denver, Col.

BUILDING PERMITS. — F. A. Knight, two-st'y brick dwell., Pearl St.; cost, $8,000; Wm. Quayle, architect.

John Mellor, dwell. and barn, Pearl St.; cost, $6,500; Fred. Hale, architect.

W. C. Ellis, brick dwell., Pearl St.; cost, $4,000; D. M. Orr, architect.

H. K. Steele, two-st'y brick dwell.; cost, $8,000; R. S. Roaschlub, architect.

J. W. Sanderson, two-st'y brick dwell., Pearl St.; cost, $3,500 Fred. Hale, architect.

F. Jerome, two-st'y brick dwell., Sherman Ave.; cost, $8,000; Wm. Quayle, architect.

W. H. James, two-st'y brick dwell., Sherman Ave.; cost, $17,000; Kinzie, builder.

F. A. Burnel, two-st'y brick dwell., Kansas Ave.; cost, $6,000; W. H. J. Nichols, architect.

ALTERATIONS. — Opera-House Block, repairs and alterations; cost, $8,000.

McPhee & McGinnity, repairs; cost, $4,000.

A. Cooper, two-st'y brick addition; cost, $7,000; Edbrooke & Co., architects.

Phil. Zang, addition to brewery; cost, $30,000; F. C. Eberley, architect.

Kansas City, Mo.

BUILDING PERMITS. — John Gray, two-and-one-half-st'y brick and cut-stone building, 40′ x 60′; cost, $15,000.

A. M. Sills, two-st'y brick and cut-stone buildings, 25′ x 42′; cost, $3,500.

Temple & Fillmore, two-st'y frame building, wood and stone foundations, 32′ x 84′; cost, $4,800.

New Haven, Conn.

BUILDING PERMITS. — Following are the permits for new buildings issued since last report: —

George St., near Orchard St., dwell., 20′ x 50′; cost, $3,300; owner, Edward W. Baldwin.

Shelton Ave., two-st'y frame dwell., 30′ x 40′; cost, $3,000; owner, Emil Matthies.

York Square, near Broadway, two-st'y brick dwell., slate roof, 30′ x 50′; cost, $6,000; owner, E. B. Richardson.

Dixwell Ave., near Brewster St., 2 two-st'y buildings, 16′ x 25′, owner, Howard Maine.

Winchester Ave., near Division St., 3 two-st'y frame dwells., 21′ x 37′; cost, $5,000; owner, Wm. A. Lincoln.

Congress Ave., No. 42, iron store, 18′ x 40′; owner, R. M. Burwell.

State St., near East St., three-st'y frame dwell., two tenements, 40′ x 50′; cost, $5,000; owner, John Shuster.

Lynwood St., No. 26, two-st'y brick dwell., 25′ x 43′; cost. $3,500; owner, Emma R. Barnes.

Congress Ave., near Meadow St., three-st'y brick dwell., 42′ x 52′; cost, $9,000; owner, Moses Thomas.

Derby Ave., near Chapel St., 2 two-st'y frame dwells., 17′ x 25′; owner, Dean Cobb.

Hughes Pl., two-st'y brick dwell., 24′ x 43′; cost, $3,000; owner, Horace J. Morton.

Nicoll St., 2 two-st'y frame dwells., 18′ x 36′, 25′ x 40′; owner, B. F. Mansfield.

Artizan St., No. 24, three-st'y brick factory, 30′ x 40′; owner, Chas. R. Brown.

New York.

CHURCH.—The United Evangelical Brethren propose to build a church on the n s of Sixty-seventh St., 325′ w of Fourth Ave.

FLATS.—Sixteen tenements are to be built on Ave. A, running from the n e cor. of Eighty-seventh St. to the s e cor. of Eighty-eighth St., at a cost of about $186,000, from plans of Mr. John Brandt.

HOUSES. — On the w s of Madison Ave., running from One Hundred and Twenty-seventh St. to One Hundred and Twenty-eight St., 12 four-st'y and basement brick, stone and terra-cotta houses, 20′ x 35′ each, are to be built at a cost of $120,000, for Mr. George Kuhn, from plans of Mr. A. I. Finkle.

On the n e cor. of Riverside Drive and One Hundred and Fourth St., a handsome house, 36′ x 95′, is to be built for Dr. B. S. Bacon, at a cost of $115,000, from plans of Mr. Jos. M. Dunn.

On the w s of Lexington Ave., running from One Hundred and First to One Hundred and Second St., 12 three-st'y and basement brick, stone and terra-cotta houses, 16′ 8″ x 48′ each, with extension 15′ x 15′, are to be built from plans of Mr. Andrew Spence.

Philadelphia.

BUILDING PERMITS.—*Sixth St.*, e s, s of Norris St., 6 three-st'y dwells., 14′ x 59′; T. W. Small, owner.

Archer St., e s, s of Greene St., 2 two-st'y dwells., 16′ x 32′; A. B. Levis, owner.

Twenty-third St., s e cor. Clarence St., two-st'y dwell., 14′ x 28′; P. Haley, owner.

Third St., n of Cumberland, three-st'y dwell., 18′ x 57′; M. Branigan, owner.

Carnarvon St., n of Tasker St., 4 two-st'y dwells., 15′ 6″ x 28′; Steinbach & Co., contractors.

Cymro St., n of Tasker St., 4 two-st'y dwells., 15′ 6″ x 28′; contractors, same as last.

Fiftieth St., s of Torr Ave., 2 two-st'y dwells., 14′ x 28′; R. Dothart, contractor.

Marshall St., w s, n of Thompson St., 2 three-st'y dwells., 18′ x 60′; L. Koder, contractor.

Fairhill St., above Cumberland St., one-st'y warehouse, 50′ x 60,; Einwichter & Son, contractors.

Richmond St., n of Tioga St., one-st'y boiler-house, 30′ x 35′; Einwichter & Sons, contractors.

Mountain St., w of Eighteenth St., addition to factory; M. A. Furbish & Sons, contractors.

Sixth St., s of Morris St., stable; Geo. C. Jackson, contractor.

Canal St., No. 1027, one-st'y boiler-house; E. Schmidt, contractor.

Fifth St., n of Lehigh Ave., two-st'y factory; Jno. Scheiber, contractor.

Orkney St., n of Lehigh Ave., two-st'y factory; contractor, same as last.

Clover St., w of Twelfth St., six-st'y factory, 35′ x 95′; Wilber & Sons, owners.

Swanson St., e s, s of Catharine St., four-st'y factory, 50′ x 100′; Lewis Havens, contractor.

Darien St., cor. Huntingdon Sts., 2 three-st'y dwells., 15′ x 48′; A. D. Kennedy, owner.

Sixth St., s of Tasker St., three-st'y store, 16′ x 42′; David France, contractor.

Hodman St., w of Sixth St., 2 two-st'y dwells., 14′ x 28′; W. F. Albrecht, owner.

Hazel St., w of Sixtieth St., two-st'y dwell., 16′ x 30′; Jacob Fell, contractor.

Sixteenth St., cor. Baltimore Ave., two-st'y dwell., 16′ x 30′; contractor, same as last.

Third St., n of Cumberland St., one-st'y dwell., 15′ x 30′; Hey Bros., owners.

Pine St., No. 1203, three-st'y addition, 14′ x 39′; O. H. Mann, contractor.

Bain Station, three-st'y dwell., 30′ x 60′; F. Thurwagen, contractor.

Vine St., e of Fifty-eighth St., two-st'y dwell., 16′ x 44′; Jno. Sheehan, owner.

Twenty-sixth St., s of Thompson St., 2 three-st'y dwells., 17′ x 45′; Harbach & Auchter, contractors.

Elmwood St., w of Eighty-sixth St., two-st'y dwell., 16′ x 36′; Frank Berry, contractor.

North Third St., No. 1168, two-st'y stable, 14′ x 24′; D. Ketcham, contractor.

St. Louis.

BUILDING PERMITS.—Forty-seven permits have been issued since our last report, eleven of which are for unimportant frame houses. Of the rest those worth $2,500 and over are as follows: —

Fred. Glasser, two-st'y double brick dwell.; cost, $3,100; Paulus & Weidemuller, contractors.

H. Grove Brewing Co., two-st'y brick refinery machine-house; cost, $7,000; E. Jungenfeld & Co., architects; sub-let.

John Bauer, 3 adjacent brick tenements; cost,

n, injured the property owners in the city by
nds to drive Long Island Sound too easily into

D Pinacothek Collections in Danger of
m Munich that a profound sensation has been
r report that the Bavarian Cabinet meditate
the Glyptothek and Pinacothek, which are val-
incredible that even a German minister could
transaction, for the contents of these galleries
property of the King than are the pictures of
property of the Queen. It is proposed that
galleries to the country, the plan being, in fact,
n an immense sum of money for the purchase
tically belongs to the country already. No
p interference from Berlin if the project goes
ago Prince Bismarck intervened very decis-
an ruler meditated selling some of the gems in
n millionaire. — *London Truth.*

ight Towers in Savannah, Ga. — The high
intersection of Liberty and Habersham streets
rash at six o'clock November 15. The fall was
ile striking the tower. No one was hurt. The
out three years ago. They are anchored in a
cement, and were considered very strong. This
at has fallen in Savannah. One at Huntingdon
over before it was finished. About a year ago
ral Railroad yards jumped the track and crashed
he passenger-shed, bringing it down. Two or
re one hundred and eighty-five feet high. They
matic elevator, which, when not in use, is kept
the ground. Some months ago a painter who
the towers got out of the elevator cage before
at once started for the top, gaining in speed the
it struck the top platform the whole top was
ago a tower in Macon was knocked down by a
about $1,200, and with the lamps the price runs
Savannah News.

nal. — The report of Civil Engineer Menocal of
raguan canal route recently surveyed by a party
head, has been made public. The expedition
he president of Nicaragua at Managua. He ex-
ne and expressed the hope that the American
he ... ing canal treaty. The proposed route
... town on the Caribbean Sea to Brito on
... 69.8 miles, of which 38.98 miles will be
0.82 miles navigation by Lake Nicaragua, the
in of the river San Francisco and seven locks.
of Nicaragua is about ninety miles long and
connected with the Pacific by a canal, and with
ater navigation in the river San Juan, by a short
he river San Juan to the basin of the river San
n through this basin and by a canal thence to
proposed that the canal shall have a depth of
thirty feet, with a minimum width in rock and
ty feet at bottom. It is estimated that a ship
n to Brito in thirty hours. The estimated total
234,958. Thirty-two vessels can pass the canal
year, which, at the average tonnage of vessels
l, will give an annual traffic of 20,440,000 tons.
theory that the canal shall be illuminated with
lake and river with beacon and range lights, so
at night as well as day. It is estimated that
eted in six years, and will cost, including a con-
added, $64,043,697. — *Springfield Republican.*

Mark's. — In connection with the works in pro-
and relevelling the Piazza of St. Mark an under-
enced which may lead to results of considerable
nce and which will be of especial interest to stu-
re of Venice. When the repaving of the piazza
the Historical Society of Venice proposed that
tic basis should be conducted with a view to dis-
nt buildings which formerly stood on the site of
The project has been agreed to by the municipal-
been placed under the direction of the architect,
ni. The ground at present opened includes the
rdi's bronze sockets for the flagstaffs. Beneath
already found various pieces of twelfth century
xcellent preservation and of admirable workman-
quare and circular panels and fragments of mould-
ably, however, not connected with the history of
g to mediæval buildings demolished at the period
nce. The especial points which it is hoped to de-
the original area of the piazza before it was
tiano Ziani *circa* 1176: to discover the section of
which was at the end of the ancient piazza, but
ut the centre of the present one; buried in the mud
nd many objects of interest. Further, the site of
St. Giminiano, built by Narsete, a. d. 552 will be
gain mosaics (sixth century) and sculpture may re-
ors. Of later date will be the foundation of the wall
t by Doge Tribuno (902) to protect the Venetians
rian pirates, who in the chronicle Sagornino are
delissima gens. Here also should be found the foun-
al built by Doge Orseolo (eleventh century) close to
the Procuratie built by Doge Ziana (Byzantine
as de... d in the sixteenth century. The works
er a ... of two or three years. — *London Times.*

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

BUILDING PATENTS.

[Printed specifications of any patents herementioned, together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

331,047. Combined Square and Miter.—Philo L. Fox, Bridgeport, Conn.
331,053. Wrench.—Nathan H. Griffith, Providence, R. I.
331,064. Overflow for Bath-Tubs, Sinks, etc. —Thomas Kennedy, Philadelphia, Pa.
331,073. Lock. — Wilbur J. Mandeville, Rochester, N. Y.
331,077. Show-Window Ventilator.—Martin G. Mock and Walter S. Maywood, Muncie, Ind.
331,081. Fire-Escape. — Horace F. Neumeyer, Macungie, Pa.
331,094. Sliding-Door Lock.—William E. Sparks, New Haven, Conn.
331,112. Knob Attachment. — Charles H. Beebe, Norwich, Conn.
331,114. Mould for Building Concrete Walls. —Thomas W. Carrico, San Antonio, Tex.
331,123. Fire-Escape. — John Fisher and Alexis Coquillard, South Bend, Ind.
331,130. Window-Blind. — Willis G. Hale, Philadelphia, Pa.
331,150. Window-Shade Attachment. — Elliott Metcalf, Cass City, Mich.
331,153. Lock.—William M. Morton, Minneapolis, Minn.
331,158. Wrench.—Edward Phillips, Cleveland, O.
331,161. Petroleum Heating - Apparatus. — Robert Schulz, Dresden, Saxony, Germany.
331,164. Hand-Screw or Vise-Jaw Attachment. Edgar Shaw, Lynn, Mass.
331,189. Rapid - Transit Wrench. — James Du Shane, South Bend, Ind.
331,191. Fire-Escape.—John Fleming, Calais, Me.
331,195. Splitting - Saw. — William G. Hawley, Hanford, Cal.
331,228. Earth - Auger. — Wm. W. Curtis, Stanberry, Mo.
331,232. Method of Applying Wood Veneer.— Ann and Chas. de Bourbon d'Este Pateologus Gonzaga, 18 Elgin Road, St. Peter's Park, County of Middlesex, England.
331,243. Manufacture of Cement.—William Joy, Northfleet, England.
321,258. Sliding-Door Hanger.—Charles C. Runyan, Mansfield, O.

SUMMARY OF THE WEEK.

Baltimore.

Building Permits. — Since our last report fourteen permits have been granted, the more important of which are the following: —

Joshua Regester, 3 three-st'y brick buildings, and two-st'y stable in rear, s s Chase St., between Caroline and Dallas Sts.

Geo. C. Herschman, 3 two-st'y brick buildings, n s Lancaster St., commencing n w cor. Luzerne St., and 6 two-st'y brick buildings, n s Lancaster St., commencing n w cor. Race St.

J. W. Parks, 2 three-st'y brick buildings, n s Randall St., between Battery Ave. and Williams St.

Joshua D. Taylor, 3 three-st'y brick buildings (square) w s Ensor St., between Monument and Madison Sts.

Old Town Fire Insurance Company, three-st'y marble-front building, w s Gay St., between High and Exeter Sts.

W. T. Phillips, 6 three-st'y brick buildings, s s Hollins St., commencing s w cor. Pulaski St.

Boston Fear, 6 two-st'y brick buildings, s s Lorman St., w of Fulton St.

M. A. Frederick, three-st'y brick building, n s Lexington St., between Charles and Little Sharp Sts.

Boston.

Building Permits. — *Nelson St.*, near Boylston St., dwell 20' x 28'; Wheeler & Reed, owners; D. Johnson, builder.

Shepard St., dwell., 24' x 44'; Patrick Moore, owner; James Keefe, builder.

Saunders St., near Orchard St., dwell., 23' x 35'; Henry Baldwin, owner; W. J. Griffiths, builder.

Brooklyn.

Building Permits.—*Forty-ninth St.*, n s, 280' e Third Ave., 2 three-st'y frame tenements, tin roofs; cost, $4,000; owner, Olof Mansson, 139 Thirty-ninth St.; architect and builder, O. Nilsson.

Herkimer St., Nos. 724-728, s s, 3 two-st'y frame (brick-filled) dwells., gravel roofs; cost, each, $2,500; owner, J. S. Denike; architect, A. Hill; builders, Stults & Sadler.

Flushing Ave., s s, 175' w Marcy Ave., three-st'y brick stable and car-house, gravel roof; cost, $70,000; owner, Brooklyn City R. R. Co., 10 Fulton St.; architect, A. W. Dickie.

Hamilton Ave., No. 255, e s, three-st'y brick store and tenement, tin roof, wooden cornice; cost, $6,500; owner, John O'Brien, 257 Hamilton Ave.; architect, G. Damen; builders, J. F. Nelson and C. M. Detlefsen.

Rodney St., s s, 152' 8" w Bedford Ave., 2 three-st'y brown-stone dwells., tin roofs; cost, each, $6,000; owner, H. B. Scholes, 119 Bedford Ave.; architect, E. F. Gaylor; builder, J. Haughian.

Duryea St., n s, 140' e Broadway, 10 two-st'y frame dwells., tin roofs; cost, each, $4,000; owner, architect and builder, Wm. H. H. Glover, 850 Van Buren St.

Gerry St., No. 78, s s, three-st'y frame tenement, tin roof; cost, $3,500; owner and builder, D. Heinemann, 80 Gerry St.; architect, H. Vollweiler.

Stewart St., s s, from 150' to 200' e Broadway, 2 two-st'y frame (brick-filled) dwells., tin roofs; cost, each, $2,500; owner, architect and contractor, C. V. La Quesne, 46 Bleecker St.; masons, Cook Bros.

St. John's Pl., n s, 200' e Sixth Ave., 8 three-st'y brown-stone dwells., tin roofs; cost, $9,000; owner, George H. Engemann, St. John's Pl., cor. Seventh Ave.; architect, R. Dixon; builder, T. Fagan.

North Eighth St., No. 106, s s, 160' e Second St., four-st'y brick tenement, tin roof, iron cornice; cost, $8,000; owner, Wm. Schmit, 252 Second St.; architect, A. Herbert; builders, Mead & Son and C. V. Schneider.

Stanhope St., No. 8, s s, 275' w Evergreen Ave., two-st'y frame (brick-filled) dwell., tin roof; cost, $2,500; owner, architect and builder, E. C. Bauer, 22 Stanhope St.

Middleton St., s s, 105' e Marcy Ave., 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $3,700; owner, architect and contractor, John Rueger, 250 Moore St.; mason, B. Guensche.

Broadway, w s, 69' 3" s McDonough St., 2 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $4,100; owner, architect and contractor; John Rueger.

Middleton St., s s, 125' e Marcy Ave., 4 three-st'y frame (brick-filled) tenement, tin roofs; cost, each, $4,100;; owner, architect and builder, John Rueger; mason, B. Guensche.

Ralph St., n w s, 75's w Evergreen Ave., three-st'y frame tenement, gravel roof, brick cornice; cost, $4,300; owner, John Menehan, Ralph St., near Evergreen Ave.; architect, F. Weber.

Evergreen Ave., w s, 25' n Ralph St., 2 three-st'y frame (brick-filled) tenements, gravel roof; cost, $8,600; owner, John Kenehan, Ralph St., near Evergreen Ave.; architect, F. Weber; builder, not selected.

Schaeffer St., s s, 100' e Broadway, four-st'y frame tenement, tin roof; cost, $5,000; owner and builder, H. Vollweiler, 788 Broadway.

Throop Ave., No. 149, e s, 25' s Hopkins St., three-st'y frame (brick-filled) store and tenement, tin roof; cost, $4,200; owner and builder, William Bruchhauser, on premises; architect, Th. Engelhardt.

Central Ave., No. 263, e s, 75' Harman St., three-st'y frame (brick-filled) store and tenement tin roof; cost, $5,000; owner and builder, William Schneider, Bushwick Ave., cor. Meserole; architect, Th. Engelhardt.

Park Ave., Nos. 607 *to* 637, n s, 175' w Marcy Ave., 16 three-st'y frame (brick-filled tenements, tin roof; total cost, $72,000; owner and builder, Geo. Straub, 11 Lewis Ave.; architect, Th. Engelhardt.

Bushwick Ave., No. 708, w s, 28' n Elm St., three-st'y frame (brick-filled) dwell., tin roof; cost, $5,000; owner and builder, Max Brill, 568 Bushwick Ave.; architect, Th. Engelhardt.

Central Ave., Nos. 153-159, n e cor. Suydam St., 4 three-st'y frame (brick-filled) tenements, tin roofs; cost, total, $18,000; owner and builder, Henry Roth, 213 Johnson Ave.; architect, Th. Engelhardt.

Gerry St., Nos. 102-112, s e cor. Throop Ave., 6 buildings, three-st'y frame (brick-filled) store and tenements, the others three-st'y frame (brick-filled) tenements, tin roofs; cost, total, $25,000; owner and builder, John Krummenauer, 163 Ellery St.; architect, Th. Engelhardt.

Chicago.

Building Permits. — W. E. Trover, two-st'y flats, Polk St.; cost, $6,000.

Presbyterian Mission Church, one-st'y chapel, 310-314 West Erie St.; cost, $10,000.

J. Eggold, two-st'y hall, 152 Wisconsin St.; cost, $4,000.

L. R. Giddings, three-st'y flats, 435-443 West Lake St.; cost, $15,000.

J. Webb, 4 two-st'y dwells., 878-882 West Adams St.; cost, $16,000.

F. Rebrecht, two-st'y store and dwell., 923 West Twelfth St.; cost, $2,500.

T. E. Robinson, two-st'y store and dwell., 2712 Halsted St.; cost, $2,500.

T. M. Crowley, 4 cottages, 1223-1231 West Fifteenth St.; cost, $6,000.

J. Winterbotham, three-st'y flats, 357 Fifth Ave.; cost, $7,000.

Sacred Heart Convent, one-st'y addition to school; cost, $7,000.

J. Schmitz, three-st'y store and flats, 960 West Twelfth St.; cost, $4,000.

A. Peterson, two-st'y flats, 766 North Ave.; cost, $4,000.

A. Swartz, two-st'y store and dwell., 3402 State St.; cost, $2,600.

F. Serhard, two-st'y store and dwell., 931 West Nineteenth St.; cost, $4,500.

Phœnix Insurance Co. of Brooklyn, ten-st'y office-building, cor. Clark and Jackson Sts.; cost, $400,000; architects, Burnham & Root.

Mrs. J. Baker, two-st'y dwell., 1007 West Adams St.; cost, $3,000.

Dr. Maynard, two-st'y dwell., 1052 West Congress St.; cost, $2,600.

F. B. Clarke, 2 one-st'y dwells., 439-443 Robey St.; cost, $2,500.

F. B. Clarke, 2 two-st'y dwells., 435-437 Robey St.; cost, $6,000.

E. M. Wallser, two-st'y dwell., 3729 Prairie Ave.; cost, $3,500.

E. Mariner, two-st'y dwell., 3231 Groveland Ave.; cost, $5,000.

P. E. Gunlock, 2 two-st'y dwells., 1181-1183 Washington St.; cost, $15,000.

Mrs. G. R. Bishop, 5 two-st'y dwells., 153-161 Oakley St.; cost, $20,000.

P. Berry, three-st'y store and dwell., 898 North Halsted St.; cost, $5,500; architect, H. Sichel.

Kansas City, Mo.

Building Permits. — Brick house, Penn St.; cost, $7,000; owner, H. B. Prudden.

Brick business block, West Ninth St.; cost, $25,000; owners, J. Dola & Son.

Frame house, Tracy Ave.; cost, $5,000; owner, Frank King.

Frame business block, cor. Seventeenth and Wyoming Sts.; cost, $9,000; owner, W. W. Lovitt.

Frame house, East Fifth St.; cost, $5,000; owner, Fred'k Weber.

Frame house, Park Ave.; cost, $7,000; owner, J. C. Hildrick.

Frame house, Park Ave.; cost, $3,500; owner, Allen Cochran.

Total value permits, 1885, brick, $32,000; frame, $36,535; mill, $750; total cost, $69,285.

Milwaukee, Wis.

The Past Season. — Building has been very extensive in this city during the season just drawing to a close. Some very expensive structures have been contracted for and in course of construction. Among the most prominent is the new office-building of the Northwestern Mutual Life Insurance Company, on the cor. of Broadway and Michigan Sts., to cost $500,000.

Armory. — The Light Horse Squadron are building a very handsome armory-building on Broadway, just north of the new Central Police Station, to cost $50,000.

Art-Gallery.—F. Layton has contracted for a public art-gallery to be erected on the cor. of Jefferson and Mason Sts., at a cost of $75,000, which he intends to present to the city upon its completion.

Depot.—The Chicago, Milwaukee & St. Paul Railway Co. are building a handsome depot on Everett, Third and Fourth Sts., at a cost of $300,000.

Jail. — The county authorities have just contracted for a new county jail, at a cost of $100,000.

Building Permits. —J. F. Wallace, brick residence on Cass St.; cost, $4,700.

Schlitz Brewing Company, brick store, cor. Grand Ave. and Third St.; cost, $25,000.

Jas. Hannan, brick house, Eighteenth St.; cost, $4,500.

Wm. Bishop, brick house, Van Buren St.; cost, $6,000.

E. Reynolds, house, Cass St.; cost, $3,500.

J. F. Scanlon, brick store, cor. Murray and North Aves.; cost, $4,500.

H. Townsend, brick house, Farwell Ave.; cost, $3,500.

Mr. Woolcott, brick house, Marshall St.; cost, $7,000.

The Schlitz Brewing Co., brick store, Cherry St.; cost, $6,000.

H. Fitzlaff, two-st'y brick store, Third St.; cost $3,000.

M. Kohl, two-st'y brick store, State St.; cost, $3,800.

John Johnston, brick barn, Twelfth St.; cost, $3,500.

Mr. Kletsch, brick addition to the Republican House; cost, $4,000.

H. Fallon, brick dwell., Twentieth St.; cost, $4,000.

Schlitz Brewing Co., brick store, cor. Third and Lloyd Sts.; cost, $10,000.

Cook & Hyde, brick flats, cor. Grand Ave. and Eighth Sts.; cost, $105,000.

Minneapolis, Minn.

Building Permits. —Wm. M. Walker, two-st'y wood dwell., s w s Fremont St., bet. Franklin Ave. and East St., n; cost, $3,000.

Albert Johnson, 4 two-st'y wood stores and 4 four-st'y flats, s e cor. Fourth and Fifth Aves., s.; cost, $3,000.

Chas. Mac C. Reeve, three-st'y wood tenement, n w s Fourth Ave. and Tenth St., s; cost, $10,000.

Carl A. Andersen, four-st'y brick and stone tenement; w s Sixteenth Ave., bet. East Twentieth and East Twenty-first Sts.; cost, $12,000.

James Chalmer, four-st'y brick and stone apartment-house, e s Tenth St., bet. Birch St. and Hawthorne Ave.; cost, $20,000.

James H. Conkey, one-st'y wood and brick planing mill, w s First St., bet. Twenty-second and Twenty-third Aves., n; cost, $12,000.

S. G. Cook and others, addition brick store and office-building, s e cor. Fifth St. and Hennepin Ave., n; cost, $50,000.

Frank Holmes, addition brick store and office-building, n w s Hennepin Ave. bet. Eighth and Tenth Aves., n; cost, $30,000.

Watts Bros. & Camerer, two-st'y wood dwell., e s Portland Ave., bet. East Twenty-seventh and East Twenty-eight Sts., s; cost, $3,500.

Mary J. Adrian, 2 three-st'y brick stores, w s Cedar Ave., bet. Washington Ave. and Third St., s; cost, $15,000.

Thomas A. Braun, two-st'y wood dwell., w s Second Ave., bet. East Sixteenth and East Seventeenth Sts., s; cost, $6,000.

P. G. Lamoreaux, 2 two-st'y wood dwells., e s Nicollet Ave., bet. East Thirty-second and East Thirty-third Sts., s; cost, $16,000.

P. G. Lamoreaux, 2 two-st'y wood dwells., w s First Ave., bet. East Thirty-second and East Thirty-third Sts., s; cost, $16,000.

Nellie G. Mortimer, two-st'y wood dwell., w s Garfield Ave., bet. West Twenty-sixth and West Twenty-seventh Sts., s; cost, $3,000.

F. B. Hart, two-st'y brick veneer dwell., n e cor. near Oak and Grove Aves. and Pl.; cost, $15,000.

Jno. N. Abrahamson, three-st'y brick store and flat, s e cor. Blaisdell Ave. and Twenty-eighth St., s; cost, $15,000.

Jno. N. Abrahamson, 2 two-st'y brick veneer dwells., s s East Twenty-fourth St., bet. Eleventh and Twelfth Aves., s; cost, $12,000.

L. Kimball, two-st'y wood dwell., e s South Girard Ave., bet. West Twenty-sixth and West Twenty-seventh Sts., s; cost, $5,000.

W. W. Price, two-st'y double wood dwells., n e s Thirteenth St., bet. Mary Pl. and Nicollet Ave., s; cost, $4,500.

De cember 10, 1885

H. Reynolds, 810 Bushwick Ave.; architect, J. D. Hall; builder, S. W. Post.

Calyer St., No. 80, s s, 175′ w Franklin St., three-st'y frame (brick-filled) tenement, tin roof; cost, $1,200; owner, Geo. H. Christoffer, 439 First St.; architect, F. Weber.

Evergreen Ave., w s, 25′ n Ralph St., 2 three-st'y frame (brick-filled) tenements, gravel roofs; cost, $9,600; owner, John Menehan, Ralph St., near Evergreen Ave.; architect, F. Weber; builder not selected.

Patchen Ave., s e cor. Bainbridge St., 3 three-st'y frame (brick-filled) tenements, tin roofs; cost, each, $4,500; owner, architect and builder, H. Grassman, 364 Vernon Ave.

Prospect Pl., n s, 100′ e New York Ave., two-st'y brick and slate stable, tin and slate roof; cost, $2,500; owner, A. M. Davis, 798 St. Marks Ave.; architect, A. Hill; builder, D. H. Fowler.

St. James Pl., n w cor. Lafayette Ave., Ohio stone church, slate roof; cost, $85,000; owner, Emanuel Baptist Church; architect, J. H. Kimball; masons, Mahoney & Watson; contractor, not selected.

Third Ave., s e cor. Forty-second St., three-st'y frame store and tenement, tin roof; cost, $6,100; owner, Patrick McInerny; architect, G. Damen; builders, Spence Bros.

Lynch St., s s, 180′ w Marcy Ave., 14 three-st'y frame tenements, tin roofs, (brick-filled); cost, each, $4,500; owner, Mary Mulvihill, 115 Lynch St.; architect, J. Platte; builder, N. Mulvihill.

Middleton St., n s, 80′ w Marcy Ave., 18 three-st'y frame (brick-filled) store and tenements, tin roofs; cost, each, $4,500; owner and builder, Jacob Bossert, Hayward St., near Harrison Ave.; architect, J. Platte.

Withers St., No. 147, n s, 150′ e Ewen St., three-st'y frame (brick-filled) tenement, tin roof; cost, $4,300, owner and architect, Patrick Clark, 149 Withers St.; builders, J. Rueger and B. Guenshe.

Seventh Ave., s e cor. Sixteenth St., 6 three-st'y brick stores and dwells., tin roofs; cost, total, $31,000; owner, Ralphina Kirkman, 415½ Eighteenth St.; architect and builder, Ralph Kirkman.

Alterations. — *Suydam St.*, n s, 137′ w Bushwick Ave., two-st'y extension, felt and shingle roof; cost, $4,000; owner, Mrs. J. D. Froelich, Bushwick Ave., n w cor. Suydam St.; architect, F. J. Berlenbach, Jr.; builder, not selected.

Twenty-fourth St., between Fifth and Sixth Aves., insert girders and columns, interior alterations, etc.; cost, $3,000; owner, Atlantic Ave. R. R. Co.; architect, M. C. Coggswell; mason, not selected; contractor, M. C. Coggswell.

Heyward St., s s, 60′ e Wythe Ave., three-st'y brick extension, gravel roof; cost, $4,200; owner, Kiernan Egan, 5852 Clermont Ave.; architect, I. D. Reynolds.

Chicago.

Building Permits. — Mrs. M. B. Neff, three-st'y flats, 1058 and 1060 Washington Boulevard; cost, $48,000; architect, Van Osdel.

H. H. Brown, three-st'y store and dwell., Polk St. and Ogden Ave.; cost, $15,000.

A. M. Fuller, three-st'y store and flats, 520-522 Van Buren St.; cost, $12,000; architect, J. B. Shipman.

C. E. Brown, three-st'y store and flats, 1001 and 1003 West Harrison St.: cost, $12,000; architects, Thomas & Rodgers.

J. Wolford, two-st'y dwell., 552 North State St.; cost, $4,500.

A. Doughty, two-st'y stable, 404 Webster Ave.; cost, $6,000.

P. S. Kirkwood, 5 three-st'y stores and flats, 315-323 Madison St.; cost, $20,000; architect, H. G. Miner.

F. Larned, 2 three-st'y dwells., 2712-2714 Michigan Ave.; cost, $20,000.

H. Lindemann, two-st'y flats, 251 West Division St.; cost, $2,500.

Mrs. M. Schtitz, three-st'y flats, 184 South Peoria St.; cost, $4,000.

W. Cass, 5 three-st'y stores and flats, 167-173 Harrison St.; cost, $16,000; architect, W. A. Furber.

City of Chicago, two-st'y police-station, 187 Canal-port Ave.; cost, $10,000.

W. P. Hock, 2 three-st'y stores and dwells., 78 and 80 North Halsted St.; cost, $15,000; architect, J. Otto.

L. L. Coburn, 2 three-st'y stores and flats, 275-277 Van Buren St.; cost, $8,000; architect, H. L. Halberg.

W. S. Walker, 4 two-st'y dwells., 3612-3622 Ellis Ave.; cost, $20,000; architects, Patten & Fisher.

D. B. Shipman, two-st'y addition, rear 1510 State St.; cost, $6,000.

F. B. Clark, 3 two-st'y flats, 948-952 Taylor St.; cost, $10,000.

J. L. Campbell, three-st'y flats, 906 West Polk St.; cost, $7,000; architect, H. B. Seeley.

J. L. Campbell, 2 two-st'y dwells., 730-741 Warren Ave.; cost, $10,000; C. A. Weany, architect.

R. Tobin, three-st'y store and dwell., 181 Blue Island Ave.; cost, $6,000; architect, W. H. Drake.

J. Zarnbsky, three-st'y store and dwell., 705 Throop St.; cost, $8,000; J. Wetner, architect.

A. Breicher, 2 three-st'y stores and dwells., 596 and 598 Blue Island Ave; cost, $15,000; architect, A. Loula.

J. M. Thacher, 7 two-st'y dwells., 3700-3712 Ellis Ave.; cost, $25,000; architect, L. G. Halberg.

E. Lehman, four-st'y store and dwell., 558 West Harrison St.; cost, $6,000.

E. Lehman, three-st'y store and dwell., 205 and and 207 Loomis St.: cost, $4,000.

Chicago & Eastern Illinois Railroad Co., freight-house, Dearborn St.; cost, $10,000.

J. M. Dooley, two-st'y flats, 349 West Huron St.; cost, $3,000; architect and builder, J. M. Dooley.

J. J. Curran, three-st'y store and flats, 350-354 Blue Island Ave.; cost, $25,000; architects, Edbrooke & Burnham.

Mrs. H. G. Stockton, three-st'y dwell., 333 Rush St.; cost, $7,000; architects, Treat & Foltz.

P. Sholze, three-st'y store and dwell., 418 Ogden Ave.; cost, $6,000; architect, Hildenger.

O. D. Wotherell, two-st'y barn, Calumet Ave.; cost, $3,000; architects, Burnham & Root.

Mrs. J. Lindgren, 3 three-st'y stores and flats, 173-177 East Chicago Ave.; cost, $25,000; architect, H. Harrison.

T. Oston, 2 two-st'y dwells., 3157 and 3159 South Park Ave.; cost, $10,000; architect, W. A. Furber.

G. F. Harding, 11 two-st'y dwells., 3301-3321 Vernon Ave.; cost, $45,000; architects, Wheelock & Clay.

Little Rock, Ark.

Building Permits. —Two-st'y brick store, Main St.; owner, Isaac Kempner; architect, J. B. Bartlett; cost, $7,000.

Remodeling Hyde's Opera-House, Markham St.; owner, Dr. C. Watkins; architect, J. B. Bartlett; cost, $12,000.

Two-st'y brick store, Markham St.; owners, Hornibrook & Townsend; architect, J. W. Lavender; cost, $6,000.

Iron-clad cotton warehouse, Scott St.; owners, Hall & Matthews; cost, $3,000.

Brick cotton warehouse, Scott St.; owners, J. B. Miller & Co.; architects, Pettefer Bros.; cost, $3,000.

Remodelling office and reading rooms Capitol Hotel, Markham St.; owner, Dr. C. Watkins; architect, J. Harding; cost, $4,000.

County jail, Water St.; owners, Pulaski County; architect, J. B. Bartlett; cost, $16,990.

Milwaukee, Wis.

Building Permits.—C. Duchow is building an $8,500 brick house on Milwaukee St., for J. H. Frank.

M. Thielan is putting up a $2,200 frame house, on Farwell Ave., for Peter Ehr.

J. Markey is building a row of brick tenements on Eighth St., at a cost of $4,000.

C. Gilhaar is building a $5,000 frame house on Nineteenth St., for Jos. Leedom.

C. Gilhaar is also building a frame house on Eighteenth St., for I. P. Ticknor, at a cost of $5,000.

Also a double frame dwell., on the cor. of Thirty-fourth and Wells Sts., for E. A. Austin, at a cost of $3,000.

Paul Vogt & Co. are erecting a sash and door factory on Island Ave., at a cost of $6,000.

Minneapolis, Minn.

Building Permits.—J. W. Day & Co., two-st'y wood saw mill, n e cor. Stevens St. and Twenty-fourth Ave., n; cost, $15,000.

J. W. Day & Co., one-st'y brick engine-house, n e cor. Stevens St. and Twenty-fourth Ave., n; cost, $3,000.

Mary A. McLaughlin, 2 two-st'y wood dwells., e s Stevens Ave., bet. East Thirty-first and East Thirty-Second Sts, s; cost, $7,000.

Chas. T. Harris, two-st'y brick veneer dwell., w s Grand St., bet. East Twenty-second and East Twenty-third Sts., s; cost, $3,000.

New York.

Cottages.—A number of cottages are to be built near St. Mary's Park, for Mr. C. P. Huntington, from plans of Mr. Jas. Stroud, and a number are also expected to be built at South Yonkers, on property of Jas. Gordon Bennett and others, from plans of Messrs. Berg & Clark.

Store.—On the n e cor. of Third Ave. and Eighteenth St., a store-building, of brick, stone and terra-cotta, 74′ x 80′, is to be erected for Messrs. Eimer & Amend, from plans of Messrs. De Lemos & Cordes.

Tenements. — On the n e cor. of Second Ave. and One Hundred and Second St., 8 five-st'y brick and stone tenements and stores, 25′ x 75′ each, are to be built at a cost of $136,000, for E. C. M. Rand, from plans of Mr. Wm. Baker.

Building Permits. — *Sixty-second St.*, s s, 200′ w Tenth Ave., 8 five-st'y brick tenements, flat tin roofs; cost, $120,000; owner, Fred T. Camp, 60 Liberty St.

Eighth Ave., n w cor. One Hundred and Sixteenth St., five-st'y brick store and dwell., flat tin roof; cost, $18,000; owner, Hiram Moore, 56 East One Hundred and Tenth St.; architect, J. H. Valentine, 108 East One Hundred and Twenty-fifth St.

West Forty-third St., Nos. 323 and 325, 2 five-st'y brick tenements, brick and brown-stone fronts, flat tin roofs, cost, $40,000; owner, Wm. Rankin, 563 West Fifty-first St.: architect, George Keister, 347 West Forty-third St.

Second Ave., e s, Eighty-eighth to Eighty-ninth St., 8 five-st'y brick tenements, flat tin roofs; cost, $120,000; owner, Frederick Schuck, n w cor. Ave. A and Eighty-fifth St.; architect, John Brandt, 1491 Third Ave.

One Hundred and Sixth St., s s, 100′ w Third Ave., five-st'y brick tenements, flat tin roof; cost, $21,000; owner, Whitfield Terreberry, 243 Broadway; architect, John C. Burne, Third Ave. and Eighty-sixth St.

East Eighty-seventh St., No. 174, two-st'y brick workshop, flat tin roof: cost, $3,500; owner, Francis E. Becker, 118 East Eighty-seventh St.; architect, Wm. Stauffer, 341 East Eighty-seventh St.

One Hundred and Twenty-first St., s s, 175′ e Fourth Ave., 2 five-st'y brick tenements, flat tin roofs; cost, $40,000; owner, Christiana R. Kehoe, 57 East One Hundred and Twenty-first St.; architect, Alfred Kehoe, 57 East One Hundred and Twenty-first St.

One Hundred and Sixty-ninth St., n s, 175′ e Eleventh Ave., three-st'y wooden dwell., peak tin roof, cost, $3,000; owner, John Devlin, One Hundred and Sixty-fifth St., e of Tenth Ave.; builder, Jeremiah Sullivan, One Hundred and Fifty-ninth St. and Tenth Ave.

Eighth Ave., w s, 20′ 11″ n One Hundred and Sixteenth St., 4 five-st'y brick tenements, flat tin roofs; cost, $64,000; owner, Hiram Moore, 56 East One Hundred and Tenth St.; architect, J. H. Valentine 108 East One Hundred and Twenty-fifth St.

Seventh Ave., w s, 50′ s from Seventh Ave., three-st'y brick dwell., flat tin roof; cost, $13,000; owner, P. J. O'Brien, One Hundred and Forty-third St., between Seventh and Eighth Ave.; architect, W. P. Anderson, 102 South Fifth Ave.

First Ave., w s, n e cor. Ninety-seventh St., 4 five-st'y brick tenements, flat tin roofs; cost, $52,000; owner, F. A. Clark, 236 East Ninety-seventh St.; architect, John Brandt, 1491 Third Ave.

Ninety-seventh St., s s, 80′ w First Ave., 2 five-st'y brick tenements, flat tin roofs; cost, $34,000; owner, F. A. Clark, 236 East Ninety-seventh St.; architect, John Brandt, 1491 Third Ave.

Clifton St., s s, 25′ w Ave. C, two-st'y frame dwell., flat tin roof; cost, $3,800; owner, John Illegemann, Clifton St. and Ave. C; architect, Adolph Pfeiffer, 891 North Third Ave.

Four-st'y brick engine and cooler room, flat tin roof; cost, $18,000; owners, Beaclestone & Woerz, West Tenth St., near Washington St.; architects, A. Pfund & Son, 232 West Thirty-sixth St.

West Fifty-seventh St., No. 420, two-and-a-half-st'y brick mission-house, peak and flat slate and tin roof; cost, $14,000; owner, Samuel Inslee, 169 West Forty-seventh St.; architect, Samuel Warner, 132 Broadway.

One Hundred and Sixteenth St., n s, 90′ w Eighth Ave., 3 five-st'y brick tenements, flat tin roofs; cost $48,000; owner, Hiram Moore, 56 East One Hundred and Tenth St.; architect, J. H. Valentine, 108 East One Hundred and Twenty-fifth St.

Thirty-fourth St., s s, 105′ w Tenth Ave., five-st'y brick tenement, flat tin and plastic slate roof; cost, $16,000; owner, John Livingston, 139 East Seventy-first St.; architect, Fred. T. Camp, 60 Liberty St.

Alterations.—*East Fifty-fifth St., Nos.* 415 *and* 417, three-st'y brewery-building, flat roof, internal alterations, etc.; cost, $3,000; owner, Peter Doelger, 405 East Fifty-fifth St.; architect, Chas. Stoll, 134 Broadway.

Fifth Ave., cor. Nineteenth St., four-st'y brick building, to be altered to art-gallery; cost, $9,000; lessees, C. R. Yandell & Co., 30 West Nineteenth St.; architects, McKim, Mead & White, 57 Broadway.

Greenwich St., No. 334, and *Washington St., No.* 321, five-st'y brick storage and business building, internal alterations, etc.; cost, $15,000; owner, Sarah Taylor, 436 West Twenty-third St.; architects, Babcock & McAvoy, 64 College Pl.

Messrs. J. C. Cady & Co. are the architects selected for the building Nos. 34 and 36 Wall St.

Philadelphia.

Building Permits. — *Chestnut St.*, w of Thirty-eighth St., 10 two-st'y dwells., 15′ x 44′; Jno. G. Ruff, contractor.

Woodstock St., s of Dickinson St., 13 two-st'y dwells., 14′ x 28′; L. Simpson, owner.

Cope St., s of Chestnut St., 2 two st'y dwells., 16′ 6″ x 29′; Jno. Develin, owner.

Oxford St., No. 2611, two-st'y dwell., 14′ x 40′; Jno. Spoeri, owner.

Wister St., Germantown, three-st'y back building, 16′ x 42′; J. D. Caldwell, owner.

Clearfield St., w of Twentieth St., three-st'y dwell., 15′ x 37′; Chas. Savage, contractor.

Twentieth St., cor. Columbia Ave, alteration, 20′ x 30′; Thos. McCarthy, contractor.

Oxford St., near Twenty-first St., one-st'y shop, 18′ x 30′; Griffin & Lawrence, owners.

Hancock St., n of Huntingdon St., two-st'y stable, 90′ x 200′; Samuel Hart, contractor.

Frankford Road, No. 1123, three-st'y dwell., 18′ x 54′; Jacob Baxter, owner.

Hancock St., cor. Herman St., three-st'y addition, 16′ x 56′; O. P. Fisher.

Gowen Ave., e of Sprague St., two-st'y dwell., 34′ x 44′; Jno. Hartman, owner.

Moore St., e of Otsego St., three-st'y factory, 75′ x 100′; A. M. Green & Co., contractors.

Fifth St., near Venango St., 2 two-st'y stores, 15′ x 42′; J. Vanderslick, owner.

Arch St., s e cor. Twenty-third St., one-st'y blacksmith shop, 20′ x 30′; R. W. Strode, contractor.

Second St., s of Butler St., one-st'y boiler-shop, 10′ x 50′; Finwechler & Co., contractors.

South Thirteenth St., No. 1216, one-st'y store, 19′ x 35′; R. D. Clark, contractor.

Reed St., No. 308, in rear, two-st'y stable, 35′ x 80′; J. W. Kuhn, contractor.

Boyer St., near Gower Ave., three-st'y dwell., 31′ 6″ x 37′ 6″; W. Flanagan, contractor.

Broad St., e of Susquehanna Ave., two-st'y factory, 25′ x 39′; Jos. Warrington, owner.

Tyson St, s of Lehigh Ave., 9 two-st'y dwells., 13′ x 28′; Jno. Loughrin, owner.

Third St., n of Lehigh Ave., two-st'y office, 22′ x 44′; Jos. Parker, contractor.

Fifteenth St., near Tioga, two-st'y dwell., 17′ x 40′; B. Devine, contractor.

Ninetieth St., cor. First Ave., three-st'y dwell., 25′ x 42′; Geo. F. Herr, contractor.

St. Louis.

Building Permits.—Eight permits have been issued since our last report, three of which are for important frame houses. Of the rest those worth 2,500 and over are as follows: —

J. S. McClellan, two-st'y brick dwell.; cost, $4,500; L. Cass Miller, architect; J. B. Asper, contractor.

John T. Schenedor, two-st'y brick tenements, cost, $4,900; Ed. C. Henner, architect and contractor.

Mrs. L. M. Riley, two-st'y brick store and dwell., cost, $2,700; architect, F. G. Pohl; contractor, Jas. Westling.

General Notes.

Andover, Mass.—Arrangements for the erection of the new church for the Episcopal parish, Rev. Everett Bradley, rector, have been completed. The church itself will be built and furnished complete by Mr. John Byers, at an estimated cost of $35,000. The architects of the church are Messrs. Hartwell & Richardson of Boston, and the whole work will be executed under the supervision of the donor's brother, Mr. Joseph Byers of Newtonville.

Bath, L. I.—The Hamilton Club, of Brooklyn, have purchased a tract of land at Bath, L. I., 300′ on the bay and 300′ deep, of Carl Racknagel, for $35,000. A new club-house will be built upon the grounds.

Cape May, N. J. — The members of the Grand Army of the Republic are to erect a monument costing $14,000, to the memory of the soldiers from that county who were killed in the Civil War.